

Altivar 1200C

275...19052kVA

Selection Guide

English

05/2019



MVD05101-01EN 05/2019

Important Information

This document covers the general introduction to the performance and/or technical characteristics of the said product. It is not intended to justify the applicability or reliability of the product in particular application of the user or replace the former guides. The user or integrator shall be responsible for conducting proper and complete risk analysis, evaluation and testing on the product for particular application or usage. Schneider Electric or its affiliates or subsidiaries assume no liability for the consequences arising from the misuse of the information here. If you have any suggestions on improvements or amendments to this publication, or have found errors, please contact us.

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If the equipment is used for applications demanding in technology safety, corresponding instructions must be followed.

Personal injury, damage or incorrect operation result may occur if the hardware is not used along with Schneider Electric software or approved software. Failure to follow the information may result in personal injury or equipment damage.

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Altivar 1200C
Medium-voltage VFD System

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Altivar 1200C

Medium-voltage VFD System

Drive Type

Pump, fan, compressor, belt conveyor, etc.



Model

ATV 1200C

Introduction

Phase-shifting transformer, low-voltage power cells in series connection, output clean sinusoidal wave, low du/dt value (input and output)

Power Range

275...19052kVA

Voltage Level

3KV;3.3kV ;6kV;6.6kV ;10kV;11kV

Output Frequency

0.5-120 Hz, V/f control
0.5-70 Hz, vector control

Control Mode

V/f
Speed sensor-less vector control
Vector control with speed sensor

Interface

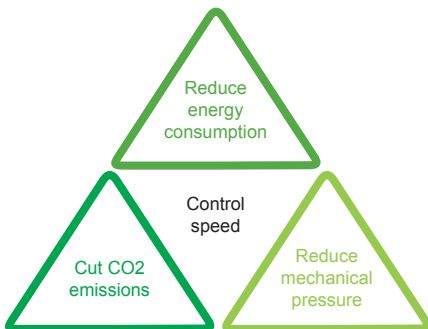
10-inch HMI
Digital and analog I/O interface
Communication protocol: Modbus, Modbus TCP, Ethernet IP, Profibus or Device Net

Protection Level

IP31 standard
IP41& - 1P42 (optional)

Further Reading

This document contains the information on project plan and order.



Application

Application	
Cement	Water & Waste Water
<ul style="list-style-type: none"> ■ Kiln head fan ■ Preheating fan ■ Kiln filter fan ■ Rotary kiln (single drive, multi-drive) ■ Cement mill (multi-drive) 	<ul style="list-style-type: none"> ■ Water intake pump ■ Water supply pump ■ Primary suction pump ■ Secondary clean water pump
Coal mine	Power plant
<ul style="list-style-type: none"> ■ Belt conveyor (single drive, multi-drive) ■ Mine ventilator 	<ul style="list-style-type: none"> ■ Induced draft fan ■ Forced draught blower ■ Primary fan ■ Condensate pump ■ Sewage pump
Petroleum and petrochemical	Metallurgy
<ul style="list-style-type: none"> ■ Air compressor ■ Water injection pump ■ Submersible pump ■ Raw material dissolving pump ■ Rectifying column bottom pump ■ Coking furnace radiation pump ■ Diesel transfer pump 	<ul style="list-style-type: none"> ■ Blast-furnace blower ■ Dust blower ■ Dry-quenching circulating fan ■ Main sintering fan ■ High-pressure descaling pump

ATV1200C -- focus on energy conservation and efficiency improvement

Schneider Electric, the global specialist in energy management, can tap your equipment's potential energy-saving space by surveying your electrical equipment, motor control mode and control system. The results will be presented by professional report. In addition, suggestions on improving the efficiency of your system would be proposed.

Survey

- Confirm energy-saving potential
- Determine energy-saving solutions
- Calculate the return on investment

Available services

- Measure and analyze energy consumption (before and after renovation)
- Install the VFD
- Power factor compensator
- Customer training
- Track and fulfill the promise of energy conservation

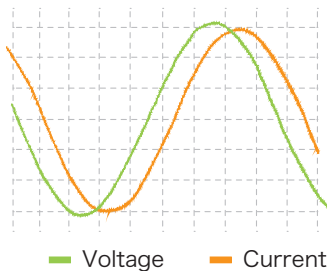
As the demand for energy continues to rise, both national and international laws and regulations require cutting CO₂ emissions.

Energy efficiency management is an important factor in achieving this goal. The first step is to better control the motors that drive the fan, pump, and compressor. Research shows that these motors consume 70% of energy in industry and infrastructure.

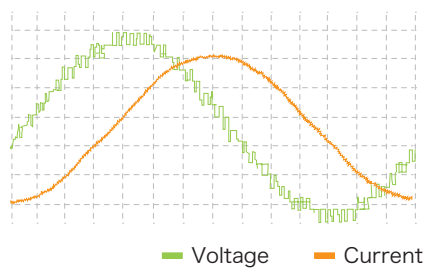
Schneider Electric ATV series VFD can help you save up to 40% of energy (depending on load).



Cabinet



Input waveform



Output waveform

Introduction

ATV1200C Medium-voltage VFD is highly reliable, easy to operate and exceptionally efficient.

ATV1200C is applicable to 3-phase medium-voltage asynchronous motor and synchronous motor (vector control with/without speed sensor, and V/f control mode). It is equipped with the state-of-the-art IGBT, thus capable of providing sophisticated services.

Benefits/Features

Optimal cabinet

- Control cabinet is integrated with transformer, making the cabinet 30% smaller in size.
- Front and back maintenance makes installation and maintenance easier and requires less time.
- Protection level IP31; IP41&IP42 (optional)

Fully equipped

The following devices make ATV1200C easy to operate and reliable:

- Protection system: interlocking system (customized), special open-door tools, power indicator, and door lock
- Continuity Connection: 10-inch HMI, easy-to-use software interface, programmable I/O
- Reliability: UPS
- Comply with IEC standard and equivalent China GB standards

Simple and long-tested design

Multi-level technology

- Adaptability: multi-level output voltage technology can be directly applied to the motor without additional equipment. It also can guarantee significant energy-saving effect and pay off quickly.

Improve operation efficiency and return on investment

- Cascade Multi-level technology makes the VFD output clean sinusoidal wave with harmonics THDI < 3%, comply with related major international standards.
- Output clean sinusoidal wave has no stress on motor shaft and motor. The motor requires no special insulation.
- Output cable is up to 2,000 m long, requiring no additional filter.
- No need for special motor cable.
- Low du/dt value prolongs the life of the motor.

Efficient cooling system

- Special air duct design only requires cooling fan on the top. No need of installing cooling fan at the bottom of the transformer and on the control cabinet.
- Removing the cooling fan at the bottom of the transformer improves overall efficiency. Energy-saving effect is very obvious, and the efficiency of the VFD has increased by 0.3%.

Inverter

- Modular design based on IGBT. Low-voltage IGBT is highly reliable with extensive and long-time use in the industrial field. The power cells can be removed within minutes to facilitate maintenance.
- The control cabinet has independent cooling air duct, which avoids designing any inside cabinet fan. ATV1200C applied air flow cooling control cabinet to reduce maintenance costs and make the VFD more reliable.



Standards and rules

ATV1200C is designed in strict accordance with international standards in all power range.

Low-voltage standard

To meet IEC standards, low-voltage mechanical and electrical design of ATV1200C comply with European standards LVD 2006/95/EC and IEC 61800-5-1 as well as equivalent GB standards.

Electromagnetic compatibility (EMC)

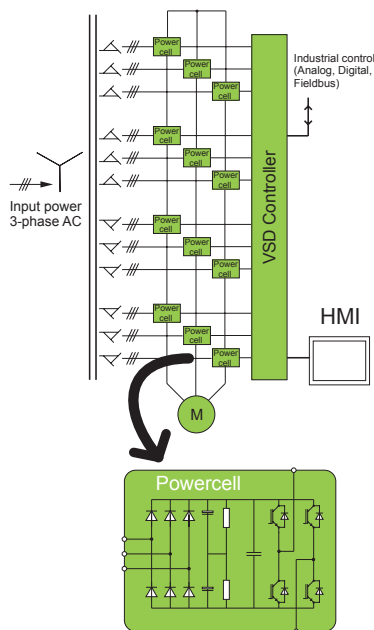
ATV1200C is designed in accordance with electromagnetic standards EMC 2004/108/EC and IEC 61800-3 as well as equivalent GB standards.

Equipment standards

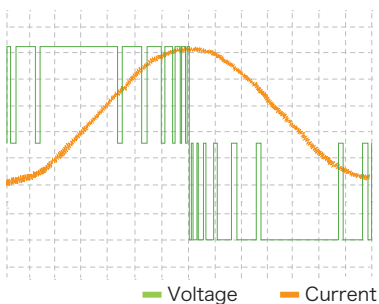
ATV1200C is a part of a machine, system or factory. Machinery manufacturer and system integrator have the responsibility to participate in its installation. The product shall be used properly in accordance with IEC 61800-5-1, 60204-1, 60204-11 and equivalent GB standards. The VFD shall not be started until the manufacturer or system integrator confirms that it is correctly installed.

VFD topology

Unlike complex multi-level architecture, two-level power cell design is very simple and makes it an easy-to-understand technology. Because user can easily understand ATV1200C product, maintenance costs are more likely to be saved. The core component of ATV1200C series is "power cell". The "power cell" is a single-phase, two-level output switching device. Its advantage is that switching cell is low-voltage component. High voltage can be produced by connecting AC power source in series. The number of "power cell" decides the output voltage. Each cell contributes a small portion of motor voltage to create a smooth waveform. Phase shifting can be conducted on the secondary windings of the VFD to eliminate input harmonics. Power cell forms the right part of the VFD, and the transformer forms the left part of the VFD. VFD regulating system and control equipment are installed in front of the VFD so as to optimize floor space. The VFD and power cells can be separated for the convenience of installation.



ATV1200C multi-level structure



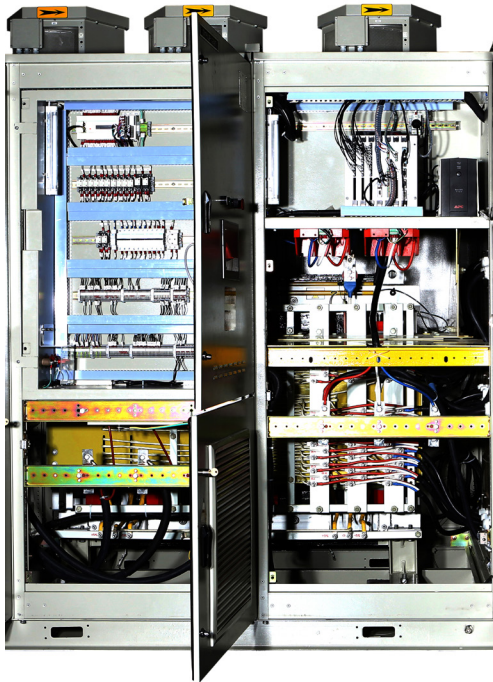
Typical output of single power cell

Advantages

- Easy-to-understand cascade multi-level structure helps save maintenance time.
- VFD only needs one kind of power cell, saving the costs on spare parts.
- A small portion of voltage from each power cell is enough to ensure smooth output voltage.

Altivar 1200C

Medium-voltage VFD System



Control cabinet and transformer cabinet

Control cabinet and transformer cabinet

The control part is modularly arranged in front of the transformer.

The control part has a separate channel, and other components can be integrated as required by the user.

Advantages

- Optimal space design can avoid the components being squeezed and eliminate hot spots inside the system so as to prolong the life cycle of the product.
- Internally integrated transformer and multi-level structure can avoid stray current in motor bearing. A new Medium-voltage VFD can be used to drive a very old motor, significantly saving energy.



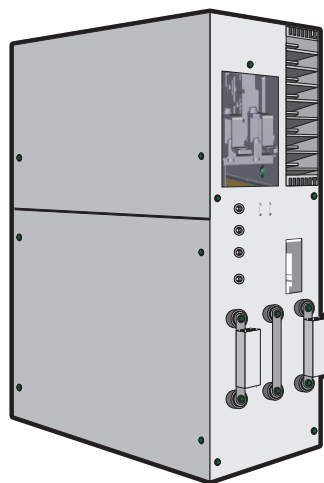
Power cell cabinet

Power cell cabinet

Power cell cabinet has the inverter function of ATV1200C VFD. It is a modular design cabinet, which can be used along with transformer cabinet if necessary. It is placed on a rack system for quick installation, which provides convenient access space.

Advantages

- Plain component arrangement facilitates maintenance and service.
- Compact and light power cell saves maintenance downtime.
- Easy installation saves commissioning time.



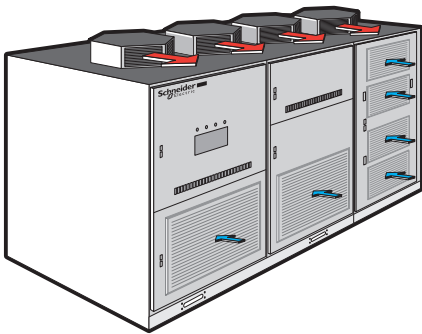
Power cell



Cooling solution

Cooling arrangement of the transformer is innovatively optimized without additional air cooling device at the bottom. Fewer fans save maintenance costs and make the VFD has higher usability. The resuction of fans improves the overall efficiency of ATV1200C series VFD.

The air cooling device at the bottom is replaced by an innovative air duct system, making a better refrigeration system. Air circulation inside the transformer cabinet avoids the formation of hot zones, thus can prolonging the service life of the transformer.



Standard cooling solution

1. Dust filter inside the transformer cabinet.
2. Air outlet with fan.
3. Air flow guiding prevents internal air return between the transformer cabinet and the power cell cabinet.
4. Dust filter inside the power cell cabinet.



VFD with air duct channel

Cooling solution with air duct (as an option)

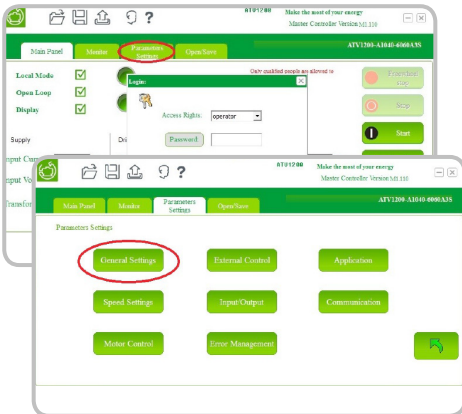
ATV1200C series VFD is equipped with air duct system to take away the heat in electrical room generated by loss.

This solution optimizes the design of air conditioning system. Clean air is required at the air inlet of the VFD.

1. Dust filter inside the transformer cabinet.
2. Air flow guiding prevents internal air return between the transformer cabinet and the power cell cabinet.
3. Dust filter inside the power cell cabinet.
4. Exhaust passage.



Friendly interface



Intuitive interface

Control characteristics

With the friendly and easy-to-use LCD touch screen, the user can quickly find the desired results after a few touches.

- Motor control mode
 - V/f control, and vector control with/without sensor
- Operation quadrants
 - Two
- Static performance
 - Open loop static accuracy of speed: $\pm 0.5\%$
 - Close loop static Accuracy of speed: $\pm 0.1\%$
- Built-in protection function
 - Over-current, over-voltage, under-voltage, CPU fault, cooling fan stalling, overload, overheating, communication interruption, grounding fault, phase loss, etc.
- Interface
 - 10-inch LCD touch screen
- Sound-light alarm of VFD status
- Communication protocol
 - Modbus, Modbus TCP, EthernetIP, Profibus or DeviceNet.
- PID function
 - Integrated PID controller, and settable parameters.
- I/O function
 - I/O port can be expanded as needed.
- Operation mode
 - Local/remote mode
- Frequency setting
 - Manual operation, analog/digital setting
- Human-machine interface
 - Output frequency, voltage, current, power; input voltage, current, power, power factor, parameter setting, voltage and current waveforms, temperature of transformer, cabinet operating status, records, etc.

Main functions

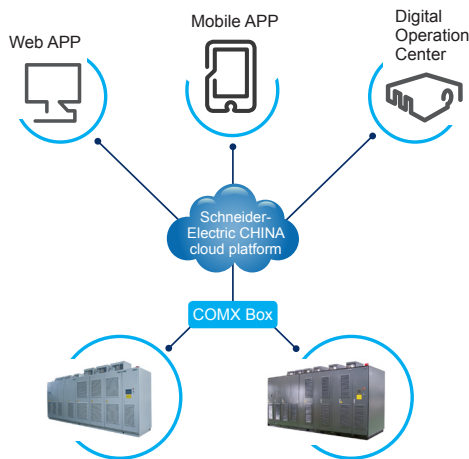
- Soft start (including synchronization and bypass)
- Multiple pumps (cascade mode)
- Multi-motor control (cascade motor)
- Flying start (high and low inertia)
- Simulation mode for commissioning
- Master-slave control (one main VFD and two subordinate VFDs at most)
- Speed synchronization control (load balance)
- Motor self-tuning
- Automatic restart (after input power loss)



H series bypass cabinet

Optional H series bypass cabinet

- Voltage: 7.2 kV/12 kV
- Type: manual and automatic
- Current: up to 250 A
- Size (without base): 2,320 mm (H) x 1,300 mm (W) x 1,400 mm (D)
- Protection level: IP31



VFD adviser -- intelligent service platform

Based on the cloud platform, which combines remote online support and on-site service to provide full life cycle management services for medium-voltage inverter.

Industrial digital operation center

The industrial digital operation center allows double closed-loop connections of back end R&D, product management, and supply chain with front end operation center, offline service team, and customers. It uses its professional know-how and data analysis capability to provide customers with more excellent services and create added value through digital technology and solutions including VFD adviser.



Customer benefit

- Equipment status and data are under control and reliable;
- Maintenance, repair, and upgrading are well documented;
- Unplanned outage is reduced and downtime shortened;
- Accurate and timely preventive maintenance is conducted to get better prepared;
- Equipment benchmarking, and energy efficiency optimization.

Platform introduction

- 8 functions ensure smooth operation of medium-voltage VFD;
- PC-side + APP-side ensures that equipment status is under control;
- Abnormality warning and maintenance plan reduce unplanned outage;
- Remote diagnosis and digital dispatch shorten recovery time;
- Intelligent report (equipment health report, energy efficiency report, and parameter report);
- Digital files (asset information, maintenance and repair records, and knowledge base).

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Medium-voltage VFD System

The product design of ATV1200C includes several reference points (letters and numbers). The meaning of each reference point can be illustrated with the following example (standard products only).

ATV1200C -A 470 - 60 60 A 3

<u>Series name</u>	<u>Cooling type:</u> <u>VFD (kVA)</u>	<u>Input voltage:</u>	<u>Output voltage:</u>	<u>Types:</u>	<u>IP:</u>
	"A" represents air cooling	"60"...6.0 kV "10"...10 kV Input voltage must be greater than or equal to output voltage	"60"...6.0 kV "10"...10 kV	"A"...Asynchronous motor "B"...Asynchronous motor with bypassable power cell "S"...Synchronous motor "Y"...Synchronous motor with bypassable power cell	"3"...IP31 "4"...IP41 "5"...IP42

Product Specifications for Output Voltage 6 kV

Reference Model	Output Current (A)	Typical Motor Power (kW)	Capacity (kVA)	Volume (L*D*H) mm	Weight (kg)
Voltage Level: 6 kV					
ATV1200C-A275-6060●●	28	220	275	2047*1700*2671	2710
ATV1200C-A315-6060●●	33	250	315	2047*1700*2671	2740
ATV1200C-A350-6060●●	35	280	350	2047*1700*2671	2760
ATV1200C-A400-6060●●	40	315	400	2047*1700*2671	2849
ATV1200C-A445-6060●●	45	355	445	2047*1700*2671	2850
ATV1200C-A500-6060●●	50	400	500	2047*1700*2671	3000
ATV1200C-A565-6060●●	55	450	565	2047*1700*2671	3100
ATV1200C-A625-6060●●	63	500	625	2047*1700*2671	3453
ATV1200C-A700-6060●●	70	560	700	2047*1700*2821	3685
ATV1200C-A790-6060●●	80	630	790	2047*1700*2821	3865
ATV1200C-A890-6060●●	85	710	890	2047*1700*2821	4182
ATV1200C-A1000-6060●●	100	800	1000	3460*1600*2671	4584
ATV1200C-A1125-6060●●	115	900	1125	3460*1600*2671	5056
ATV1200C-A1250-6060●●	125	1000	1250	3460*1600*2821	5539
ATV1200C-A1400-6060●●	140	1120	1400	3962*1600*2821	5490
ATV1200C-A1565-6060●●	150	1250	1565	3962*1600*2821	5720
ATV1200C-A1750-6060●●	165	1400	1750	3962*1600*2821	6288
ATV1200C-A1875-6060●●	185	1500	1875	3962*1600*2821	6640
ATV1200C-A2000-6060●●	200	1600	2000	3962*1600*2821	7012
ATV1200C-A2250-6060●●	220	1800	2250	4262*1700*2821	7549
ATV1200C-A2500-6060●●	240	2000	2500	4964*1700*2821	7899
ATV1200C-A2800-6060●●	280	2240	2800	4964*1700*2821	8459
ATV1200C-A3125-6060●●	300	2500	3125	4964*1700*2821	8720
ATV1200C-A3500-6060●●	330	2800	3500	4964*1700*2821	9208
ATV1200C-A3940-6060●●	380	3150	3940	6068*1700*2741	11334

1. For other combinations of input voltage and output voltage, please contact Schneider Electric.
2. For specifications of larger-capacity VFD beyond the range of the above table, please contact Schneider Electric.
3. The final size and weight of the product is subject to the design drawing.

Product Specifications for Output Voltage 10 kV

Reference Model	Output Current (A)	Typical Motor Power (kW)	Capacity (kVA)	Volume (L*D*H) mm	Weight (kg)
Voltage Level: 10 kV					
ATV1200C-A275-1010●●	18	220	275	2652*1700*2671	3260
ATV1200C-A315-1010●●	20	250	315	2652*1700*2671	3280
ATV1200C-A350-1010●●	23	280	350	2652*1700*2671	3300
ATV1200C-A400-1010●●	25	315	400	2652*1700*2671	3460
ATV1200C-A445-1010●●	28	355	445	2652*1700*2671	3460
ATV1200C-A500-1010●●	30	400	500	2652*1700*2671	3560
ATV1200C-A565-1010●●	35	450	565	2652*1700*2671	3700
ATV1200C-A625-1010●●	40	500	625	2652*1700*2671	3830
ATV1200C-A700-1010●●	43	560	700	2652*1700*2671	3920
ATV1200C-A790-1010●●	45	630	790	2652*1700*2671	4070
ATV1200C-A890-1010●●	55	710	890	2652*1700*2671	4220
ATV1200C-A1000-1010●●	60	800	1000	2652*1700*2671	4224
ATV1200C-A1125-1010●●	65	900	1125	2652*1700*2671	4228
ATV1200C-A1250-1010●●	75	1000	1250	2652*1700*2741	4232
ATV1200C-A1400-1010●●	85	1120	1400	2652*1700*2821	4236
ATV1200C-A1565-1010●●	95	1250	1565	4264*1600*2821	5775
ATV1200C-A1750-1010●●	100	1400	1750	4264*1700*2821	5950
ATV1200C-A2000-1010●●	120	1600	2000	4264*1700*2821	6833
ATV1200C-A2250-1010●●	135	1800	2250	5164*1700*2821	7819
ATV1200C-A2500-1010●●	150	2000	2500	6364*1500*3041	8168
ATV1200C-A2800-1010●●	165	2240	2800	6364*1500*3041	8619
ATV1200C-A3125-1010●●	185	2500	3125	6364*1500*3041	9312
ATV1200C-A3500-1010●●	200	2800	3500	6364*1500*3041	10062
ATV1200C-A3940-1010●●	220	3150	3940	6364*1600*3041	11253
ATV1200C-A4190-1010●●	240	3350	4190	7468*1600*3041	11747
ATV1200C-A4440-1010●●	260	3550	4440	7468*1600*3041	12395
ATV1200C-A4750-1010●●	275	3800	4750	7468*1600*3041	12915
ATV1200C-A5000-1010●●	280	4000	5000	7468*1600*3041	14817
ATV1200C-A5625-1010●●	330	4500	5625	7468*1600*3041	16010
ATV1200C-A6250-1010●●	360	5000	6250	9374*1700*3041	17837

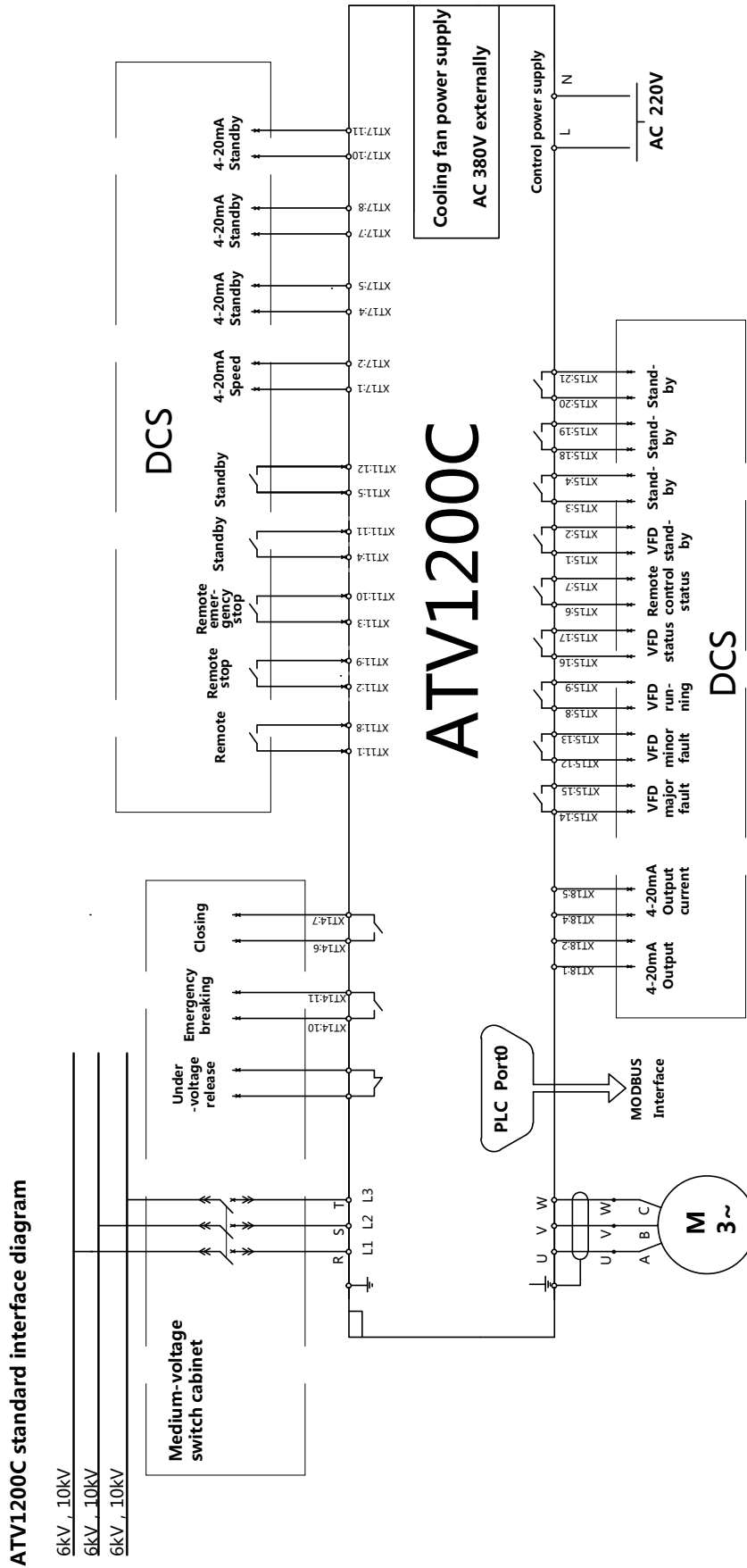
1. For other combinations of input voltage and output voltage, please contact Schneider Electric.
2. For specifications of larger-capacity VFD beyond the range of the above table, please contact Schneider Electric.
3. The final size and weight of the product is subject to the design drawing.

General Technical Data

Input	30 and 48-pulse diode rectifier
Output	Multi-level PWM waveforms output by two-level low-voltage IGBT inverter unit in series
Input Voltage	<ul style="list-style-type: none"> ■ 6kV; 6.6kV; 10kV; 11kV ■ Variation amplitude: standard value $\pm 10\%$
Allowable Voltage Fluctuation	The VFD can run at derated capacity when power supply voltage falls within -25%.
Input Frequency	50/60Hz $\pm 5\%$
Acceleration/Deceleration Time	0-3,200 seconds
Overload Capacity	<ul style="list-style-type: none"> ■ Standard overload: 60 seconds/10 minutes at 120%; 3 seconds/10 minutes at 150%; immediate tripping threshold at 200%
Total Harmonic Distortion THD (i)	Comply with IEEE 519-1992 power quality standard
Frequency Resolution	0.01Hz
Trigger Signal Transmission	Optical fiber transmission
Input Power Factor	≥ 0.96 , from 20% to 100% of speed
Inverter Efficiency at Rated Power	$\geq 98.5\%$
Motor Type	Asynchronous motor and synchronous motor
Three-phase Output Voltage of Motor	0...11000V
Output Frequency	120 Hz at V/F control (VA) mode, 70 Hz at vector control mode
Input Transformer	Indoor type integrated in the VFD, dry-type phase-shifting transformer can be powered by 30 and 48-pulse rectifier
Control Power Supply	220 VAC, 1 kVA capacity, other voltages as per requirements, with 30-minute self-powered UPS
Protection Level	<ul style="list-style-type: none"> ■ Standard: IP31 ■ Optional: IP41
Power Supply of Cooling Fan	Three-phase external power supply 380VAC
Cabinet Color	RAL 7035
Refrigeration	Forced air cooling
Reference Standards	IEC EN 61800-3, IEC EN 61800-4, IEC EN 61800-5-1, IEC EN 60204-11, IEC EN 60529, IEEE 519 together with equivalent GB standards and other optional standards.

Environmental Characteristics

Storage Temperature	-10°C - 60°C
Operating Temperature	0 - 40°C (up to 50°C the VFD may run at derated capacity.)
Cooling Method	Forced air cooling
Relative Humidity	90% (without condensation), optional: up to 95% (without condensation)
Altitude	In the case of altitude $\leq 1,000$ meters, the VFD will not run at derated capacity. For altitude between 1000 and 2000 meters, the VFD would derate by 0.6% with every rise of 100 meters. For higher altitudes, please consult Schneider Electric.
Vibration	Acceleration: 4.9 m/s ² (10 – 50 Hz) acceptable
Pollution Level	Comply with Level 2 requirements of IEC61800 standard and equivalent GB standards
Overvoltage Category	Class II of IEC61800 standard and equivalent GB standards



Altivar 1200C

Medium-voltage VFD System



Altivar 1200C Medium-voltage VFD system is born to serve you!

Our VFDs are customized and fully equipped. We can find the right one for you.

Altivar 1200C
 Medium-voltage VFD System
 Output voltage 6 kV

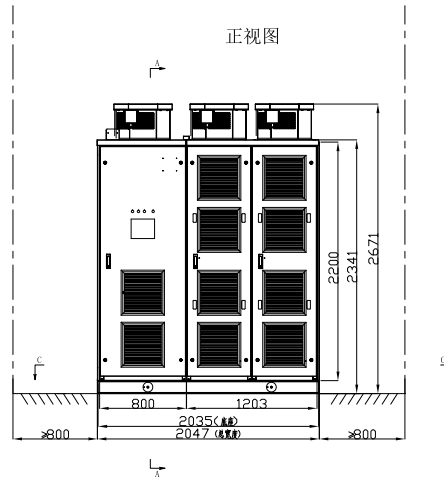
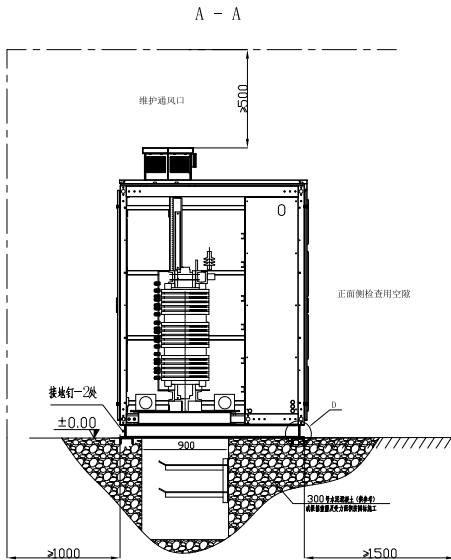
Technical Data (output voltage 6 kV)			
ATV1200C	A275-6060A3●●	A315-6060A3●●	A350-6060A3●●
Rated Data			
Model Rating [kVA]			
	275	315	350
Motor Power [kW]			
	220	250	280
Rated Current [A]			
Standard Overload 120%	28	33	35
Maximum Output Current [A]			
Allow 1 Minute Every 10 Minutes	34	40	42
Power Cell			
Number of Cell per Phase			
	5	5	5
Characteristics			
Air Volume [m³/h]			
	9400	9400	9400
Weight [kg]			
	2710	2740	2760
Size [mm] W*D*H			
	2047×1700×2671	2047×1700×2671	2047×1700×2671
Connection			
Incoming Cable			
Type	Standard symmetrical cable	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Motor Cable			
Maximum Size	3-core	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m	2000m

Altivar 1200C

Medium-voltage VFD System
Output voltage 6 kV

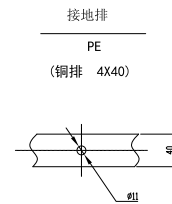
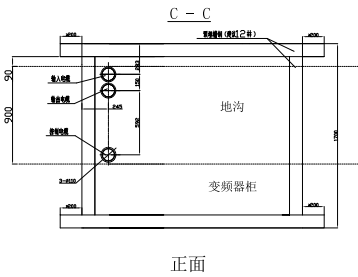
ATV1200C-A275-6060A3●... ATV1200C-A350-6060A3●●

Front view



Bottom size

Cable connection

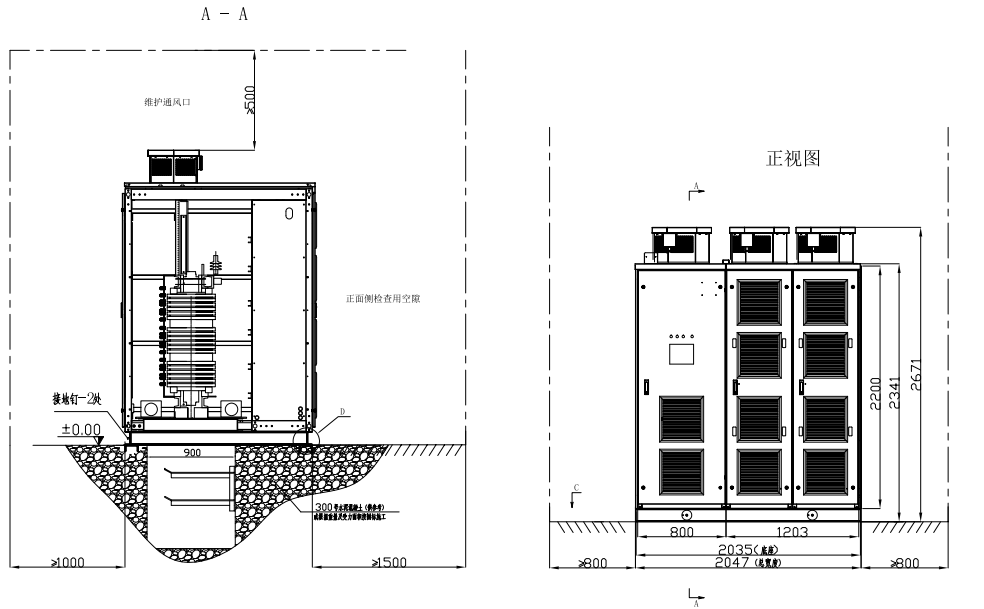


Altivar 1200C
 Medium-voltage VFD System
 Output voltage 6 kV

Technical Data (output voltage 6 kV)			
ATV1200C	A400-6060A3●●	A445-6060A3●●	A500-6060A3●●
Rated Data			
Model Rating [kVA]			
	400	445	500
Motor Power [kW]			
	315	355	400
Rated Current [A]			
Standard Overload 120%	40	45	50
Maximum Output Current [A]			
Allow 1 Minute Every 10 Minutes	48	54	60
Power Cell			
Number of Cell per Phase			
	5	5	5
Characteristics			
Air Volume [m³/h]			
	9400	9400	9400
Weight [kg]			
	2849	2850	3000
Size [mm] W*D*H			
	2047×1700×2671	2047×1700×2671	2047×1700×2671
Connection			
Incoming Cable			
Type	Standard symmetrical cable	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Motor Cable			
Maximum Size	3-core	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m	2000m

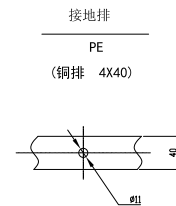
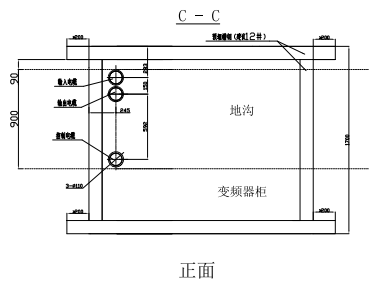
ATV1200C-A400-6060A3●...ATV1200C-A500-6060A3●●

Front view



Bottom size

Cable connection

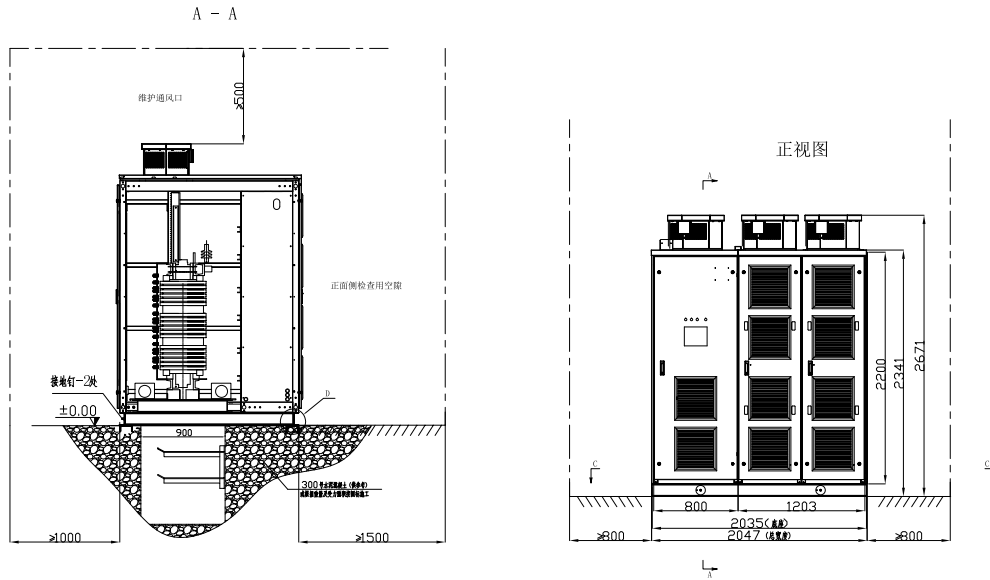


Altivar 1200C
 Medium-voltage VFD System
 Output voltage 6 kV

Technical Data (output voltage 6 kV)		
ATV1200C	A565-6060A3●●	A625-6060A3●●
Rated Data		
Model Rating [kVA]		
	565	625
Motor Power [kW]		
	450	500
Rated Current [A]		
Standard Overload 120%	55	63
Maximum Output Current [A]		
Allow 1 Minute Every 10 Minutes	66	76
Power Cell		
Number of Cell per Phase		
	5	5
Characteristics		
Air Volume [m ³ /h]		
	10800	10800
Weight [kg]		
	3100	3453
Size [mm] W*D*H		
	2047×1700×2671	2047×1700×2671
Connection		
Incoming Cable		
Type	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings
Motor Cable		
Maximum Size	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m

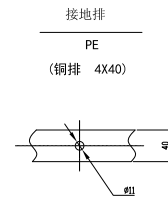
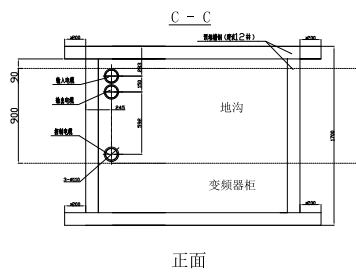
ATV1200C-A565-6060A3●... ATV1200C-A625-6060A3●●

Front view



Bottom size

Cable connection

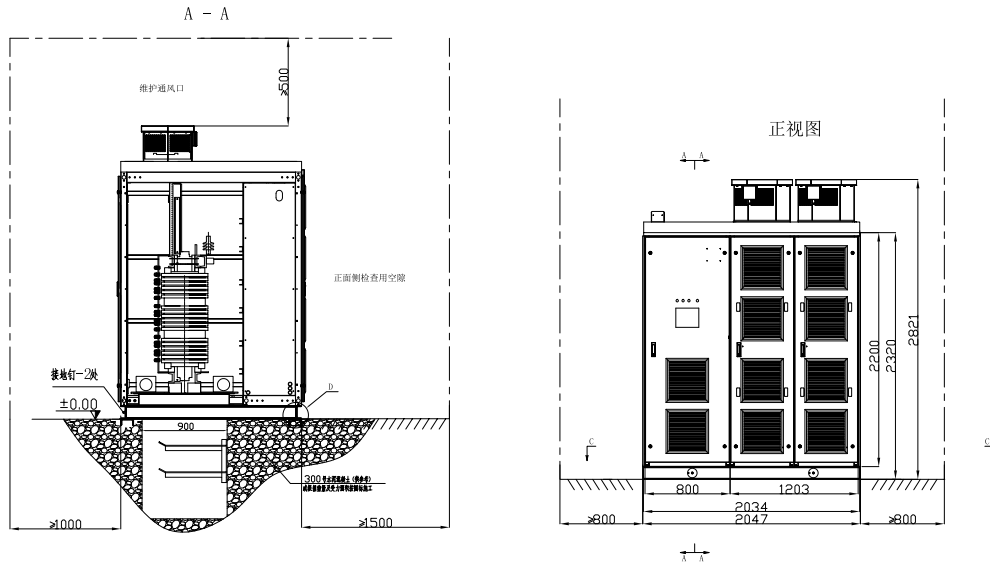


Altivar 1200C
 Medium-voltage VFD System
 Output voltage 6 kV

Technical Data (output voltage 6 kV)			
ATV1200C	A700-6060A3●●	A790-6060A3●●	A890-6060A3●●
Rated Data			
Model Rating [kVA]			
	700	790	890
Motor Power [kW]			
	560	630	710
Rated Current [A]			
Standard Overload 120%	70	80	85
Maximum Output Current [A]			
Allow 1 Minute Every 10 Minutes	84	96	102
Power Cell			
Number of Cell per Phase			
	5	5	5
Characteristics			
Air Volume [m³/h]			
	10800	10800	13400
Weight [kg]			
	3685	3865	4182
Size [mm] W*D*H			
	2047×1700×2821	2047×1700×2821	2047×1700×2821
Connection			
Incoming Cable			
Type	Standard symmetrical cable	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Motor Cable			
Maximum Size	3-core	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m	2000m

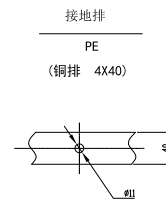
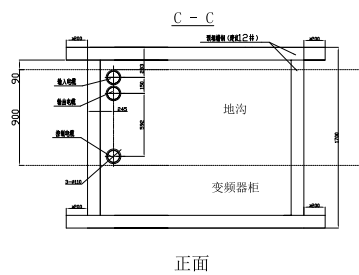
ATV1200C-A700-6060A3●... ATV1200C-A890-6060A3●●

Front view



Bottom size

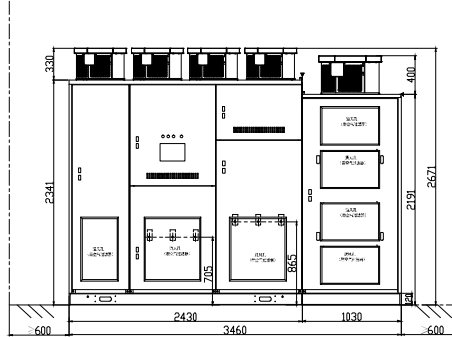
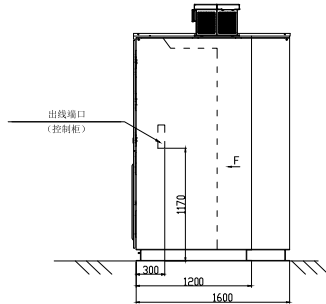
Cable connection



Technical Data (output voltage 6 kV)		
ATV1200C	A1000-6060A3●●	A1125-6060A3●●
Rated Data		
Model Rating [kVA]		
	1000	1125
Motor Power [kW]		
	800	900
Rated Current [A]		
Standard Overload 120%	100	115
Maximum Output Current [A]		
Allow 1 Minute Every 10 Minutes	120	138
Power Cell		
Number of Cell per Phase		
	5	5
Characteristics		
Air Volume [m ³ /h]		
	13400	14800
Weight [kg]		
	4584	5056
Size [mm] W*D*H		
	3460×1600×2671	3460×1600×2671
Connection		
Incoming Cable		
Type	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings
Motor Cable		
Maximum Size	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m

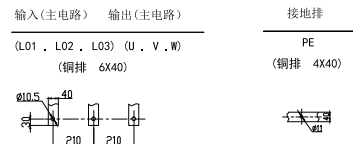
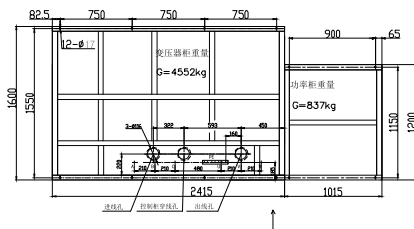
ATV1200C-A1000-6060A3●●

Front view



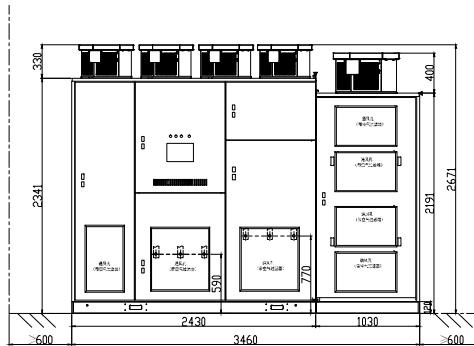
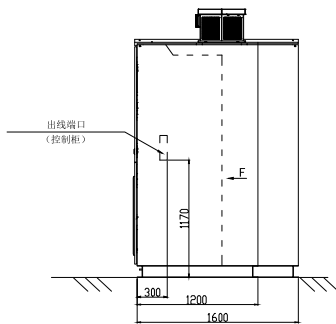
Bottom size

Cable connection



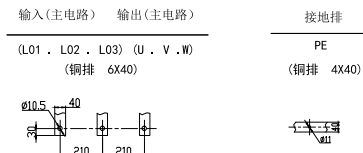
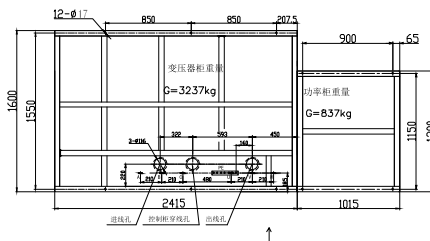
ATV1200C-A1125-6060A3●●

Front view



Bottom size

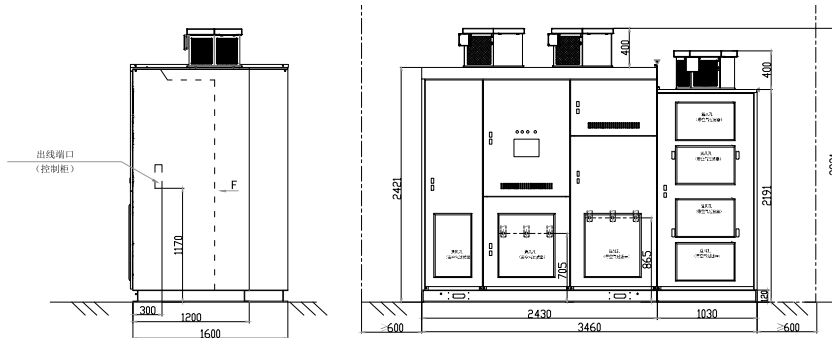
Cable connection



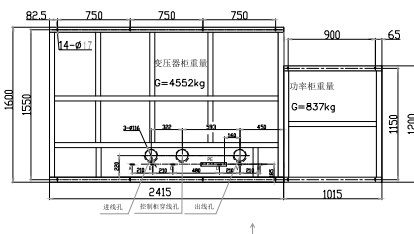
Technical Data (output voltage 6 kV)		
ATV1200C	A1250-6060A3●●	A1400-6060A3●●
Rated Data		
Model Rating [kVA]		
	1250	1400
Motor Power [kW]		
	1000	1120
Rated Current [A]		
Standard Overload 120%	125	140
Maximum Output Current [A]		
Allow 1 Minute Every 10 Minutes	150	168
Power Cell		
Number of Cell per Phase		
	5	5
Characteristics		
Air Volume [m ³ /h]		
	14800	14800
Weight [kg]		
	5539	5490
Size [mm] W*D*H		
	3460×1600×2821	3962×1600×2821
Connection		
Incoming Cable		
Type	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings
Motor Cable		
Maximum Size	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m

ATV1200C-A1250-6060A3●●

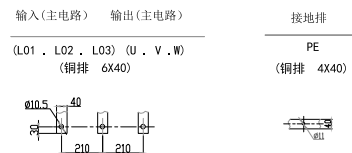
Front view



Bottom size

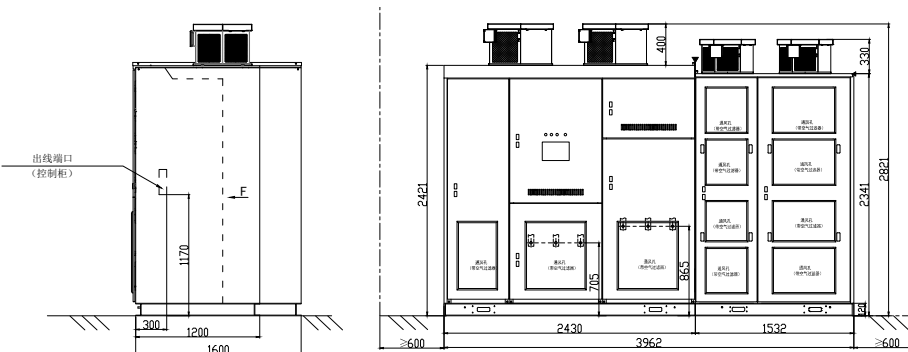


Cable connection

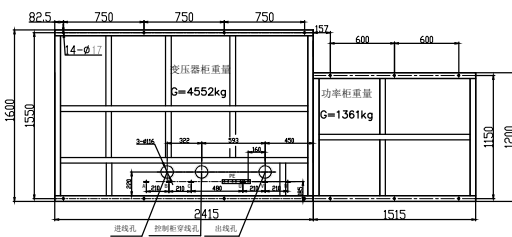


ATV1200C-A1400-6060A3●●

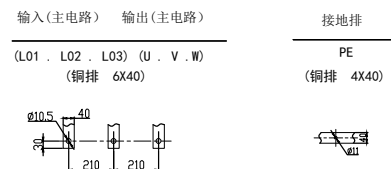
Front view



Bottom size



Cable connection



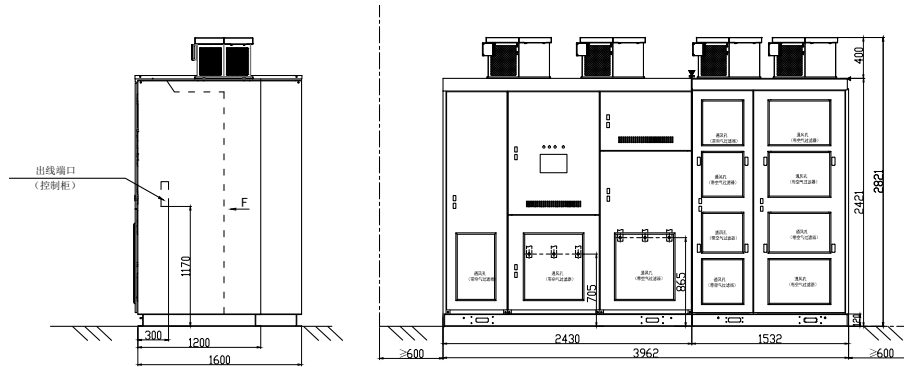
Altivar 1200C

Medium-voltage VFD System
Output voltage 6 kV

Technical Data (output voltage 6 kV)			
ATV1200C	A1565-6060A3●●	A1750-6060A3●●	A1875-6060A3●●
Rated Data			
Model Rating [kVA]			
	1565	1750	1875
Motor Power [kW]			
	1250	1400	1500
Rated Current [A]			
Standard Overload 120%	150	165	185
Maximum Output Current [A]			
Allow 1 Minute Every 10 Minutes	180	198	222
Power Cell			
Number of Cell per Phase			
	5	5	5
Characteristics			
Air Volume [m³/h]			
	16800	16800	16800
Weight [kg]			
	5720	6288	6640
Size [mm] W*D*H			
	3962×1700×2821	3962×1600×2821	3962×1600×2821
Connection			
Incoming Cable			
Type	Standard symmetrical cable	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Motor Cable			
Maximum Size	3-core	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m	2000m

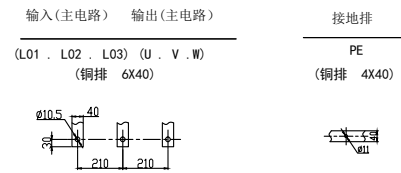
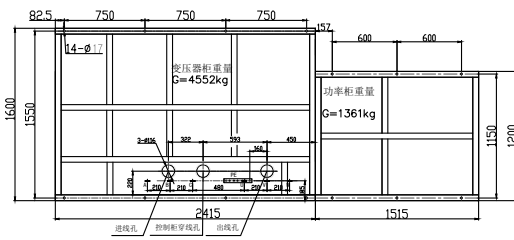
ATV1200C-A1565-6060A3●●...ATV1200C-A2000-6060A3●●

Front view



Bottom size

Cable connection



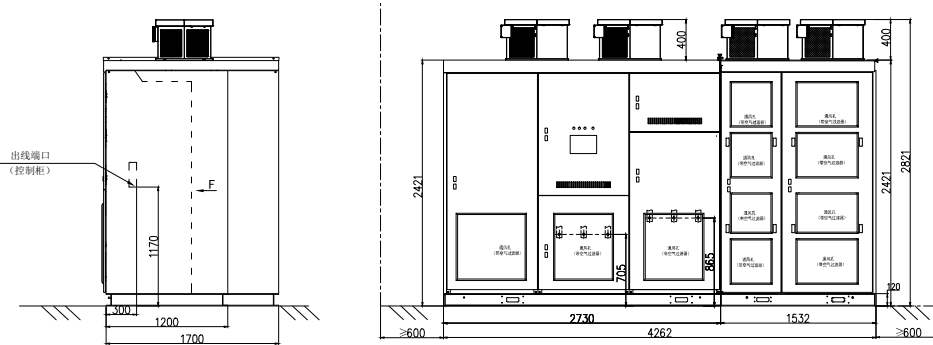
Technical Data (output voltage 6 kV)			
ATV1200C	A2000-6060A3●●	A2250-6060A3●●	A2500-6060A3●●
Rated Data			
Model Rating [kVA]			
	2000	2250	2500
Motor Power [kW]			
	1600	1800	2000
Rated Current [A]			
Standard Overload 120%	200	220	240
Maximum Output Current [A]			
Allow 1 Minute Every 10 Minutes	240	264	288
Power Cell			
Number of Cell per Phase			
	5	5	5
Characteristics			
Air Volume [m³/h]			
	16800	16800	16800
Weight [kg]			
	7012	7549	7899
Size [mm] W*D*H			
	3962×1600×2821	4262×1700×2821	4964×1700×2821
Connection			
Incoming Cable			
Type	Standard symmetrical cable	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Motor Cable			
Type	3-core	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m	2000m

Altivar 1200C

Medium-voltage VFD System
Output voltage 6 kV

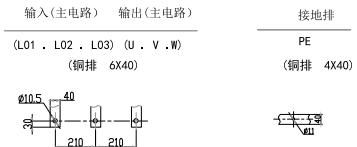
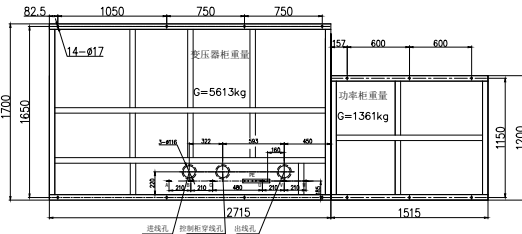
ATV1200C-A2250-6060A3●●

Front view



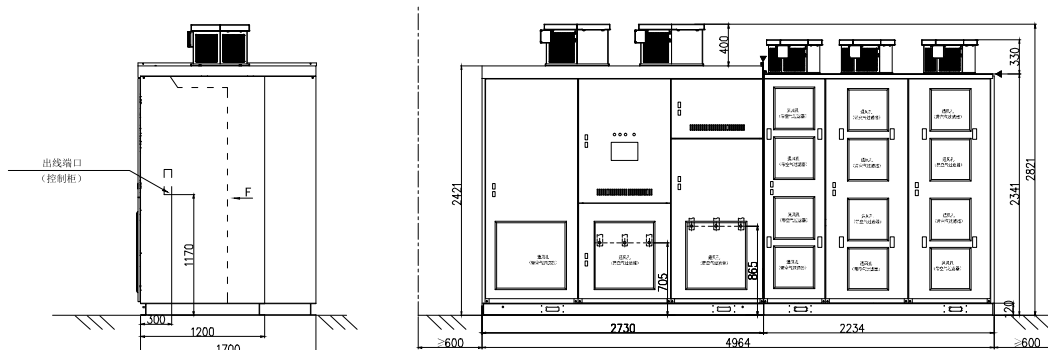
Bottom size

Cable connection



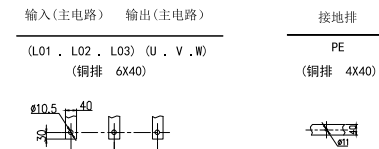
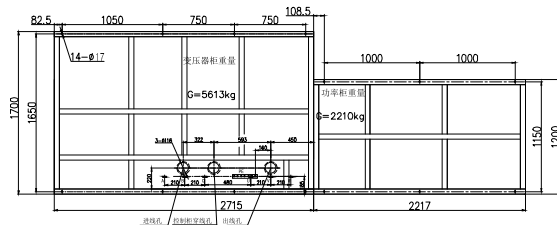
ATV1200C-A2500-6060A3●●

Front view



Bottom size

Cable connection



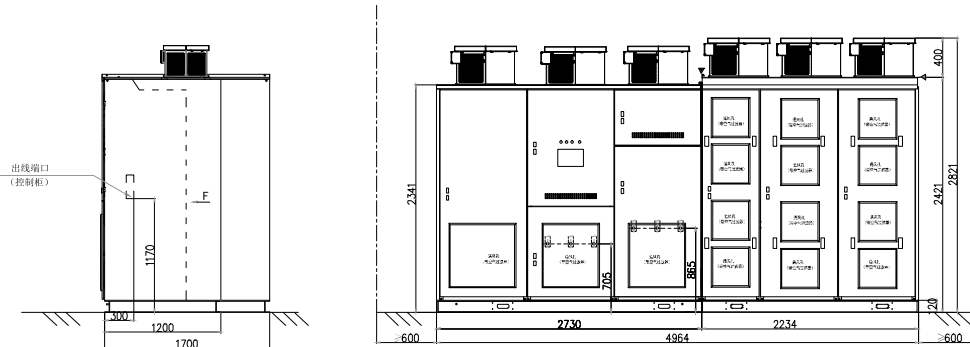
Technical Data (output voltage 6 kV)			
ATV1200C	A2800-6060A3●●	A3125-6060A3●●	A3500-6060A3●●
Rated Data			
Model Rating [kVA]			
	2800	3125	3500
Motor Power [kW]			
	2240	2500	2800
Rated Current [A]			
Standard Overload 120%	280	300	330
Maximum Output Current [A]			
Allow 1 Minute Every 10 Minutes	336	360	396
Power Cell			
Number of Cell per Phase			
	5	5	5
Characteristics			
Air Volume [m³/h]			
	26200	26200	26200
Weight [kg]			
	8459	8720	9208
Size [mm] W*D*H			
	4964×1700×2821	4964×1700×2821	4964×1700×2821
Connection			
Incoming Cable			
Type	Standard symmetrical cable	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Motor Cable			
Type	3-core	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m	2000m

Altivar 1200C

Medium-voltage VFD System
Output voltage 6 kV

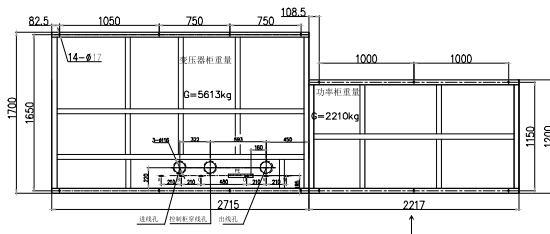
ATV1200C-A2800-6060A3●●

Front view



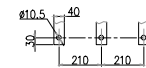
Bottom size

Cable connection



输入(主电路) 输出(主电路)

(L01, L02, L03) (U, V, W)
(铜排 6X40)



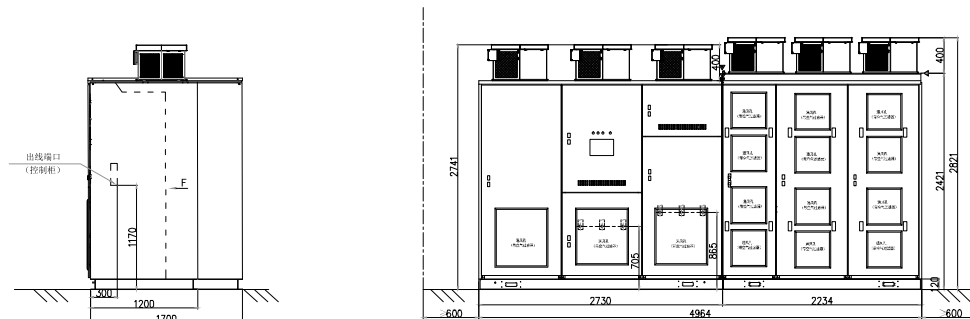
接地排

PE
(铜排 4X40)



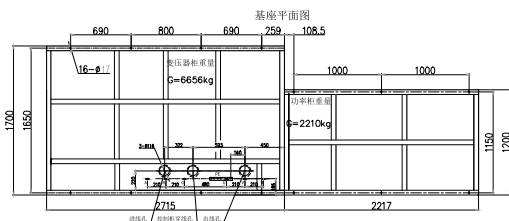
ATV1200C-A3125-6060A3●●...ATV1200C-A3500-6060A3●●

Front view



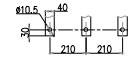
Bottom size

Cable connection



输入(主电路) 输出(主电路)

(L01, L02, L03) (U, V, W)
(铜排 6X40)



接地排

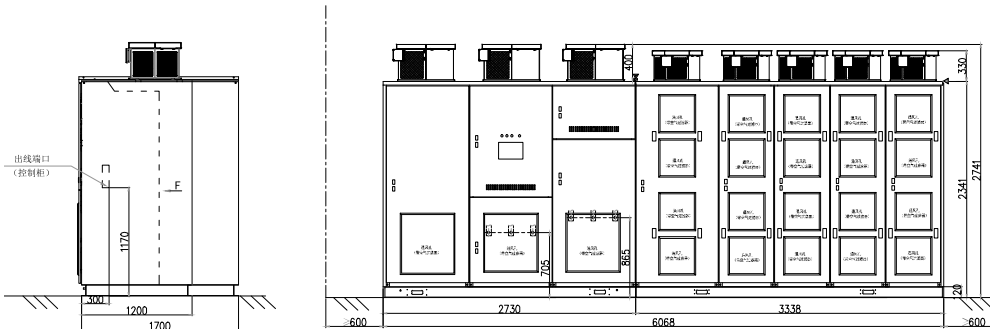
PE
(铜排 4X40)



Technical Data (output voltage 6 kV)	
ATV1200C	A3940-6060A3●●
Rated Data	
Model Rating [kVA]	
	3940
Motor Power [kW]	
	3150
Rated Current [A]	
Standard Overload 120%	380
Maximum Output Current [A]	
Allow 1 Minute Every 10 Minutes	456
Power Cell	
Number of Cell per Phase	
	5
Characteristics	
Air Volume [m³/h]	
	26200
Weight [kg]	
	11334
Size [mm] W*D*H	
	6068×1700×2741
Connection	
Incoming Cable	
Type	Standard symmetrical cable
Maximum Size	Refer to drawings
Motor Cable	
Type	3-core
Maximum Size	Refer to drawings
Maximum Length (without output filter)	2000m

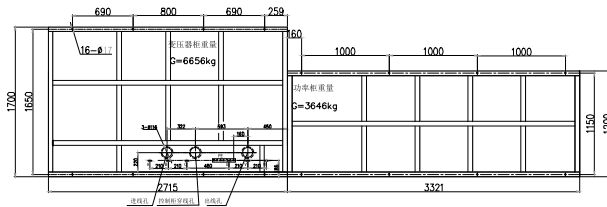
ATV1200C-A3940-6060A3●●

Front view



Bottom size

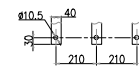
Cable connection



输入(主电路) 输出(主电路)

(L01, L02, L03) (U, V, W)

(铜排 6X40)



接地排

PE

(铜排 4X40)

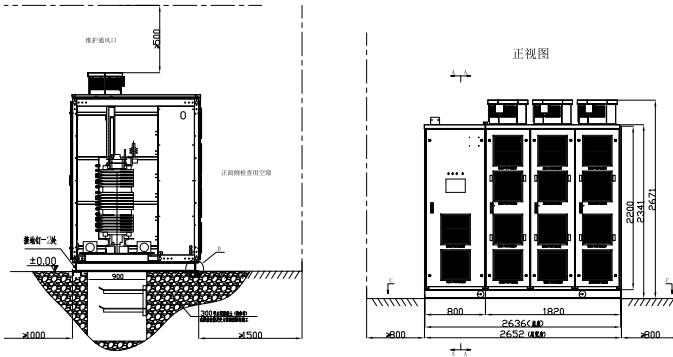


Altivar 1200C
 Medium-voltage VFD System
 Output voltage 10 kV

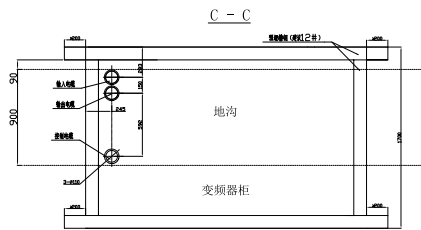
Technical Data (output voltage 10 kV)			
ATV1200C	A275-1010A3●●	A315-1010A3●●	A350-1010A3●●
Rated Data			
Model Rating [kVA]			
	275	315	350
Motor Power [kW]			
	220	250	280
Rated Current [A]			
Standard Overload 120%	18	20	23
Maximum Output Current [A]			
Allow 1 Minute Every 10 Minutes	22	24	28
Power Cell			
Number of Cell per Phase			
	8	8	8
Characteristics			
Air Volume [m³/h]			
	10000	10000	10000
Weight [kg]			
	3260	3280	3300
Size [mm] W*D*H			
	2652×1700×2671	2652×1700×2671	2652×1700×2671
Connection			
Incoming Cable			
Type	Standard symmetrical cable	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Motor Cable			
Type	3-core	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m	2000m

ATV1200C-A275-1010A3●... ATV1200C-A350-1010A3●●

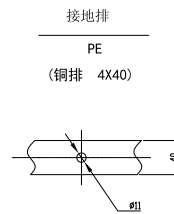
Front view



Bottom size



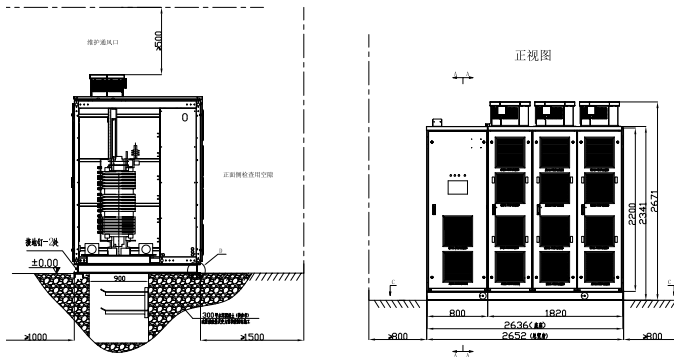
Cable connection



Technical Data (output voltage 10 kV)			
ATV1200C	A400-1010A3●●	A445-1010A3●●	A500-1010A3●●
Rated Data			
Model Rating [kVA]			
	400	445	500
Motor Power [kW]			
	315	355	400
Rated Current [A]			
Standard Overload 120%	25	28	30
Maximum Output Current [A]			
Allow 1 Minute Every 10 Minutes	30	34	36
Power Cell			
Number of Cell per Phase			
	8	8	8
Characteristics			
Air Volume [m³/h]			
	10000	10000	10000
Weight [kg]			
	3460	3460	4560
Size [mm] W*D*H			
	2652×1700×2671	2652×1700×2671	2652×1700×2671
Connection			
Incoming Cable			
Type	Standard symmetrical cable	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Motor Cable			
Type	3-core	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m	2000m

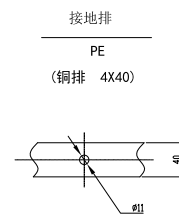
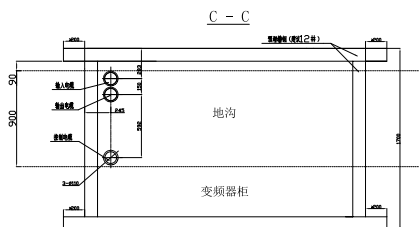
ATV1200C-A400-1010A3●... ATV1200C-A500-1010A3●●

Front view



Bottom size

Cable connection

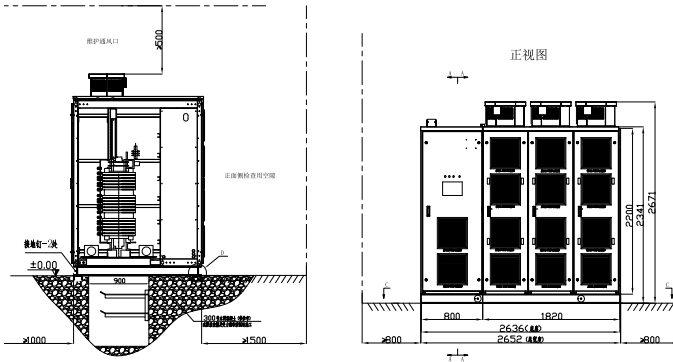


Altivar 1200C
 Medium-voltage VFD System
 Output voltage 10 kV

Technical Data (output voltage 10 kV)			
ATV1200C	A565-1010A3●●	A625-1010A3●●	A700-1010A3●●
Rated Data			
Model Rating [kVA]			
	565	625	700
Motor Power [kW]			
	450	500	560
Rated Current [A]			
Standard Overload 120%	35	40	43
Maximum Output Current [A]			
Allow 1 Minute Every 10 Minutes	42	48	52
Power Cell			
Number of Cell per Phase			
	8	8	8
Characteristics			
Air Volume [m³/h]			
	11400	11400	11400
Weight [kg]			
	3700	3830	3920
Size [mm] W*D*H			
	2652×1700×2671	2652×1700×2671	2652×1700×2671
Connection			
Incoming Cable			
Type	Standard symmetrical cable	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Motor Cable			
Type	3-core	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m	2000m

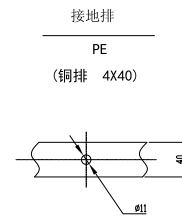
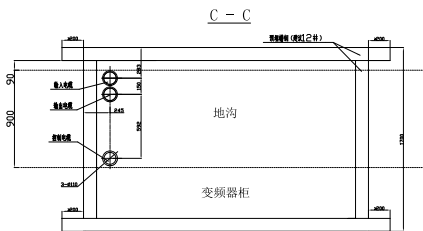
ATV1200C-A565-1010A3●... ATV1200C-A700-1010A3●●

Front view



Bottom size

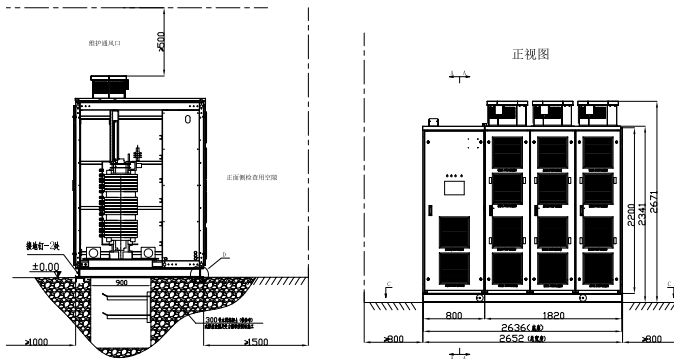
Cable connection



Technical Data (output voltage 10 kV)			
ATV1200C	A790-1010A3●●	A890-1010A3●●	A1000-1010A3●●
Rated Data			
Model Rating [kVA]			
	790	890	1000
Motor Power [kW]			
	630	710	800
Rated Current [A]			
Standard Overload 120%	50	55	60
Maximum Output Current [A]			
Allow 1 Minute Every 10 Minutes	60	66	72
Power Cell			
Number of Cell per Phase			
	8	8	8
Characteristics			
Air Volume [m³/h]			
	11400	14000	11400
Weight [kg]			
	4070	4220	4224
Size [mm] W*D*H			
	2652×1700×2671	2652×1700×2671	2652×1700×2671
Connection			
Incoming Cable			
Type	Standard symmetrical cable	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Motor Cable			
Type	3-core	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m	2000m

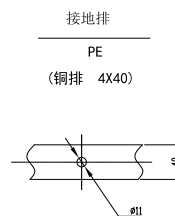
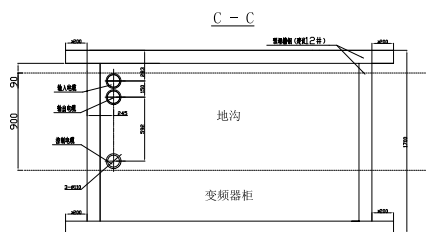
ATV1200C-A790-1010A3●●... ATV1200C-A1000-1010A3●●

Front view



Bottom size

Cable connection

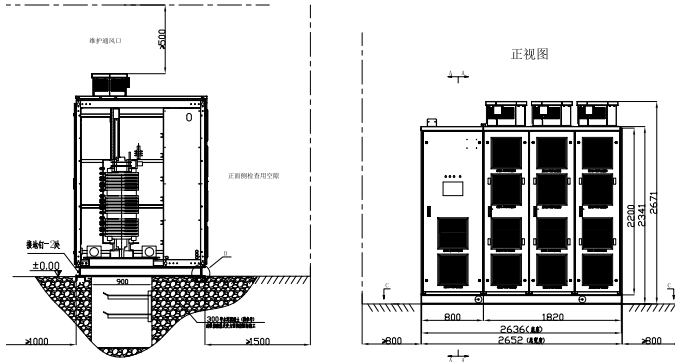


Altivar 1200C
 Medium-voltage VFD System
 Output voltage 10 kV

Technical Data (output voltage 10 kV)			
ATV1200C	A1125-1010A3●●	A1250-1010A3●●	A1400-1010A3●●
Rated Data			
Model Rating [kVA]			
	1125	1250	1400
Motor Power [kW]			
	900	1000	1120
Rated Current [A]			
Standard Overload 120%	65	75	85
Maximum Output Current [A]			
Allow 1 Minute Every 10 Minutes	78	90	102
Power Cell			
Number of Cell per Phase			
	8	8	8
Characteristics			
Air Volume [m³/h]			
	16800	16800	16800
Weight [kg]			
	4228	4232	4236
Size [mm] W*D*H			
	2652×1700×2671	2652×1700×2741	2652×1700×2741
Connection			
Incoming Cable			
Type	Standard symmetrical cable	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Motor Cable			
Type	3-core	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m	2000m

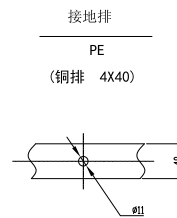
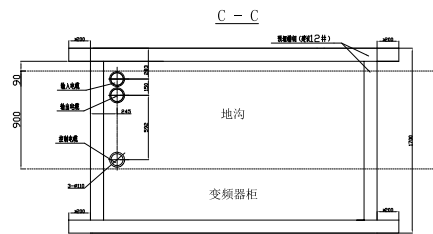
ATV1200C-A1125-1010A3●●

Front view



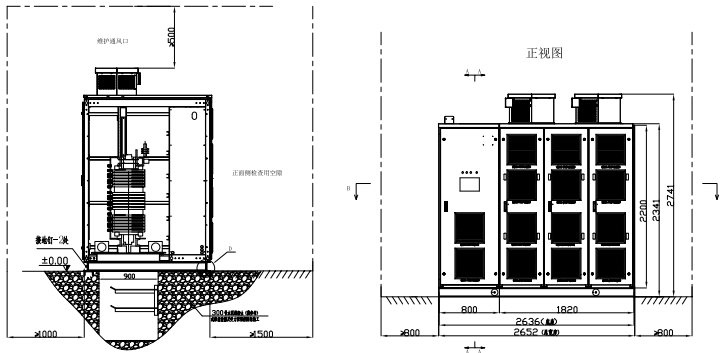
Bottom size

Cable connection



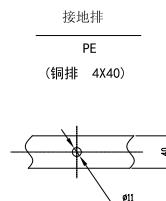
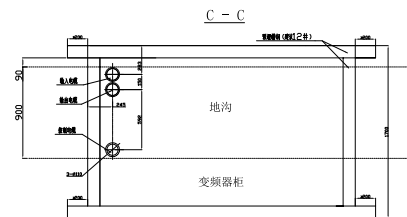
ATV1200C-A1250-1010A3●●... ATV1200C-A1400-1010A3●●

Front view



Bottom size

Cable connection



Altivar 1200C
 Medium-voltage VFD System
 Output voltage 10 kV

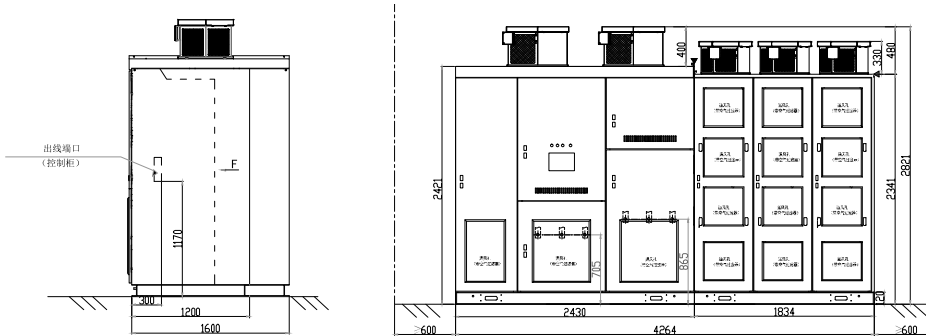
Technical Data (output voltage 10 kV)		
ATV1200C	A1565-1010A3●●	A1750-1010A3●●
Rated Data		
Model Rating [kVA]		
	1565	1750
Motor Power [kW]		
	1250	1400
Rated Current [A]		
Standard Overload 120%	95	100
Maximum Output Current [A]		
Allow 1 Minute Every 10 Minutes	114	120
Power Cell		
Number of Cell per Phase		
	8	8
Characteristics		
Air Volume [m ³ /h]		
	16800	16800
Weight [kg]		
	5775	5950
Size [mm] W*D*H		
	4264×1600×2821	4264×1700×2821
Connection		
Incoming Cable		
Type	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings
Motor Cable		
Type	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m

Altivar 1200C

Medium-voltage VFD System
Output voltage 10 kV

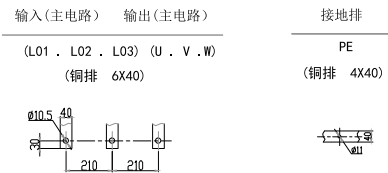
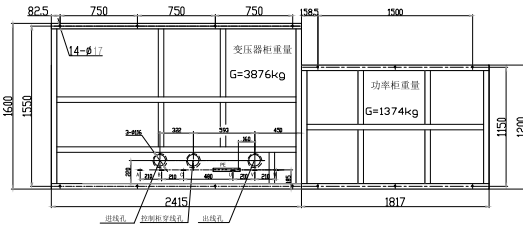
ATV1200C-A1565-1010A3●●

Front view



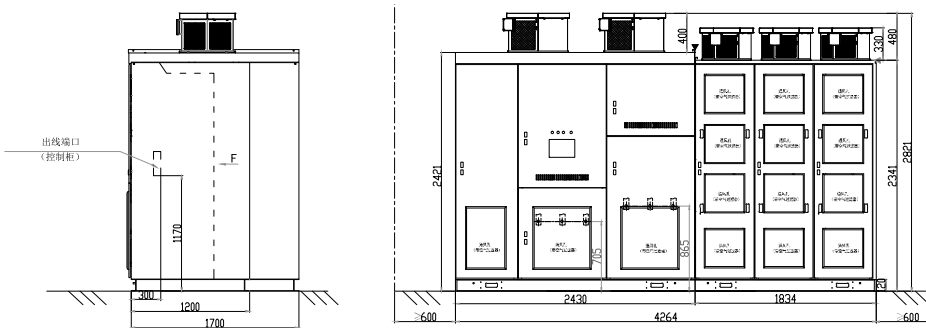
Bottom size

Cable connection



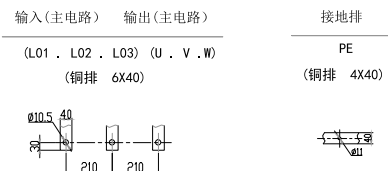
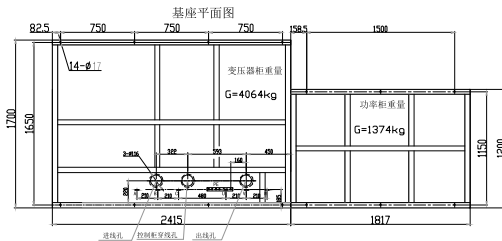
ATV1200C-A1750-1010A3●●

Front view



Bottom size

Cable connection



Altivar 1200C
 Medium-voltage VFD System
 Output voltage 10 kV

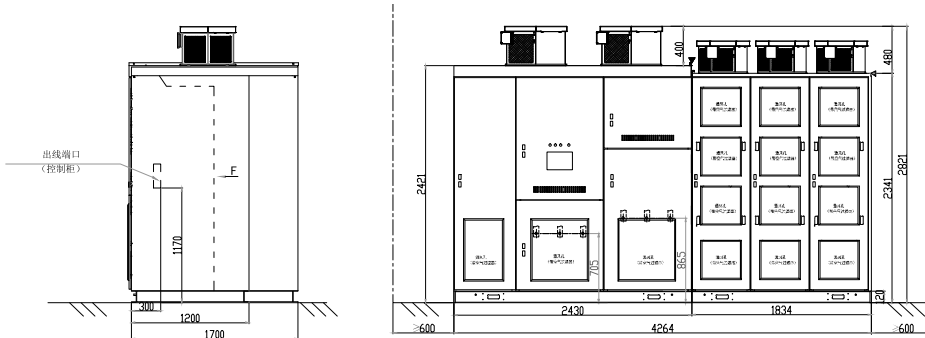
Technical Data (output voltage 10 kV)		
ATV1200C	A2000-1010A3●●	A2250-1010A3●●
Rated Data		
Model Rating [kVA]		
	2000	2250
Motor Power [kW]		
	1600	1800
Rated Current [A]		
Standard Overload 120%	120	135
Maximum Output Current [A]		
Allow 1 Minute Every 10 Minutes	144	162
Power Cell		
Number of Cell per Phase		
	8	8
Characteristics		
Air Volume [m ³ /h]		
	16800	24200
Weight [kg]		
	6833	7819
Size [mm] W*D*H		
	4264×1700×2821	5164×1700×2821
Connection		
Incoming Cable		
Type	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings
Motor Cable		
Type	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m

Altivar 1200C

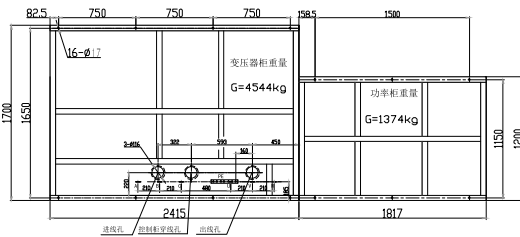
Medium-voltage VFD System
Output voltage 10 kV

ATV1200C-A2000-1010A3●●

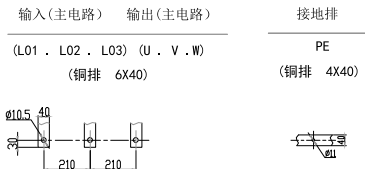
Front view



Bottom size

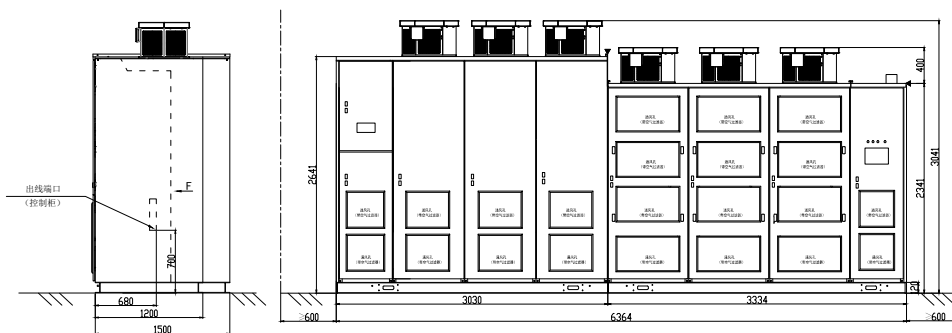


Cable connection

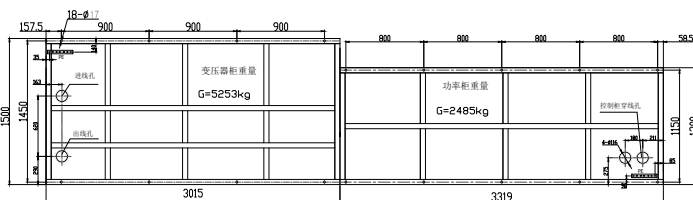


ATV1200C-A2250-1010A3●●

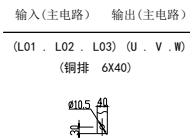
Front view



Bottom size



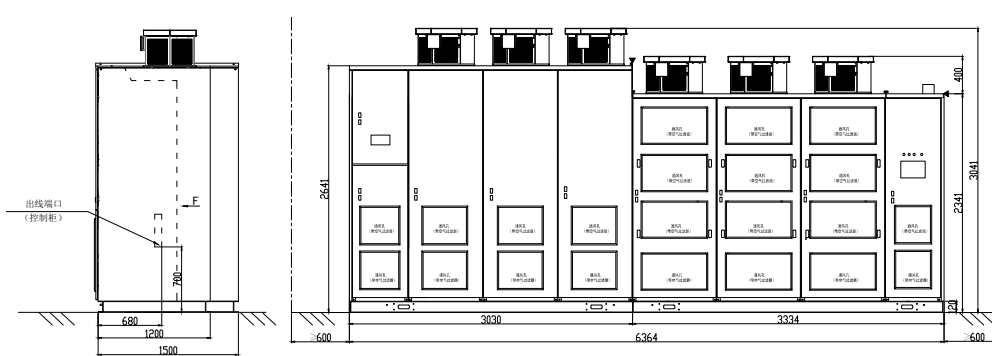
Cable connection



Technical Data (output voltage 10 kV)			
ATV1200C	A2500-1010A3●●	A2800-1010A3●●	A3125-1010A3●●
Rated Data			
Model Rating [kVA]			
	2500	2800	3125
Motor Power [kW]			
	2000	2240	2500
Rated Current [A]			
Standard Overload 120%	150	165	185
Maximum Output Current [A]			
Allow 1 Minute Every 10 Minutes	180	198	222
Power Cell			
Number of Cell per Phase			
	8	8	8
Characteristics			
Air Volume [m³/h]			
	24200	24200	24200
Weight [kg]			
	8168	8619	9312
Size [mm] W*D*H			
	6364×1500×3041	6364×1500×3041	6364×1500×3041
Connection			
Incoming Cable			
Type	Standard symmetrical cable	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Motor Cable			
Type	3-core	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m	2000m

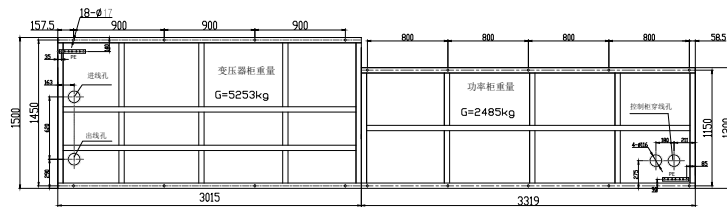
ATV1200C-A2500-1010A3●●...ATV1200C-A3125-1010A3●●

Front view



Bottom size

Cable connection



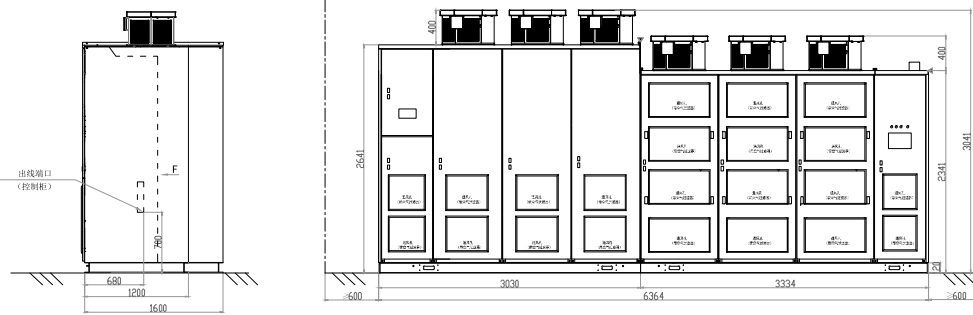
Technical Data (output voltage 10 kV)		
ATV1200C	A3500-1010A3●●	A3940-1010A3●●
Rated Data		
Model Rating [kVA]		
	3500	3940
Motor Power [kW]		
	2800	3150
Rated Current [A]		
Standard Overload 120%	200	220
Maximum Output Current [A]		
Allow 1 Minute Every 10 Minutes	240	264
Power Cell		
Number of Cell per Phase		
	8	8
Characteristics		
Air Volume [m ³ /h]		
	24200	24200
Weight [kg]		
	10062	11253
Size [mm] W*D*H		
	6364×1500×3041	6364×1600×3041
Connection		
Incoming Cable		
Type	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings
Motor Cable		
Type	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m

Altivar 1200C

Medium-voltage VFD System
Output voltage 10 kV

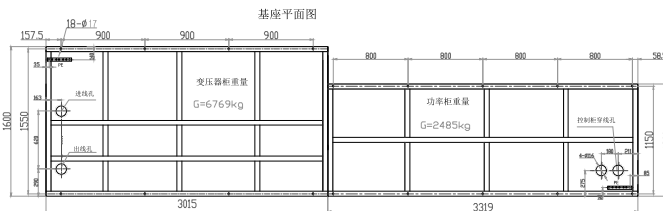
ATV1200C-A3500-1010A3●●

Front view

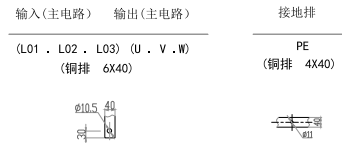


Bottom size

Cable connection

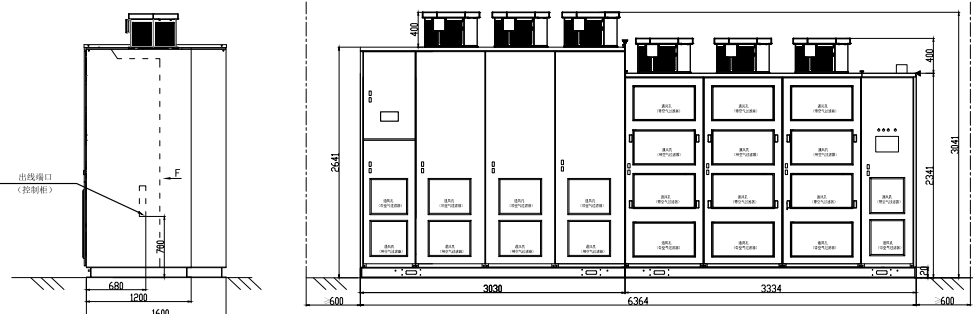


接线端子细节



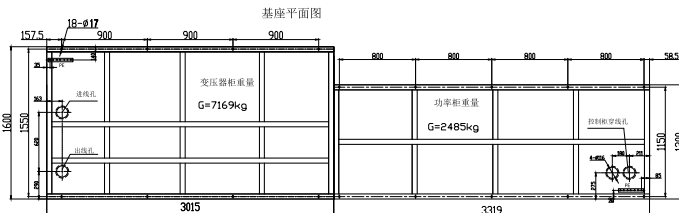
ATV1200C-A3940-1010A3●●

Front view

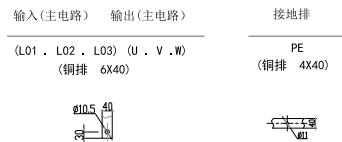


Bottom size

Cable connection



接线端子细节



Altivar 1200C
 Medium-voltage VFD System
 Output voltage 10 kV

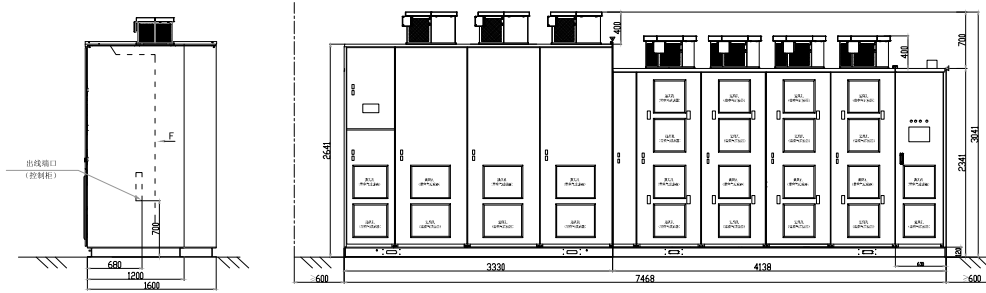
Technical Data (output voltage 10 kV)			
ATV1200C	A4190-1010A3●●	A4440-1010A3●●	A4750-1010A3●●
Rated Data			
Model Rating [kVA]			
	4190	4440	4750
Motor Power [kW]			
	3350	4550	3800
Rated Current [A]			
Standard Overload 120%	240	260	275
Maximum Output Current [A]			
Allow 1 Minute Every 10 Minutes	288	312	330
Power Cell			
Number of Cell per Phase			
	8	8	8
Characteristics			
Air Volume [m³/h]			
	37800	37800	37800
Weight [kg]			
	11747	12395	12915
Size [mm] W*D*H			
	7468×1600×3041	7468×1600×3041	7468×1600×3041
Connection			
Incoming Cable			
Type	Standard symmetrical cable	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Motor Cable			
Type	3-core	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m	2000m

Altivar 1200C

Medium-voltage VFD System
Output voltage 10 kV

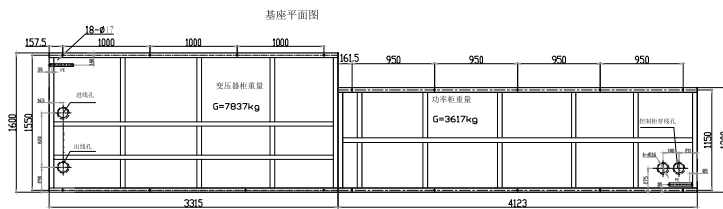
ATV1200C-A4190-1010A3●●...ATV1200C-A4440-1010A3●●

Front view

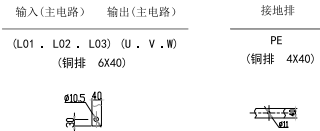


Bottom size

Cable connection

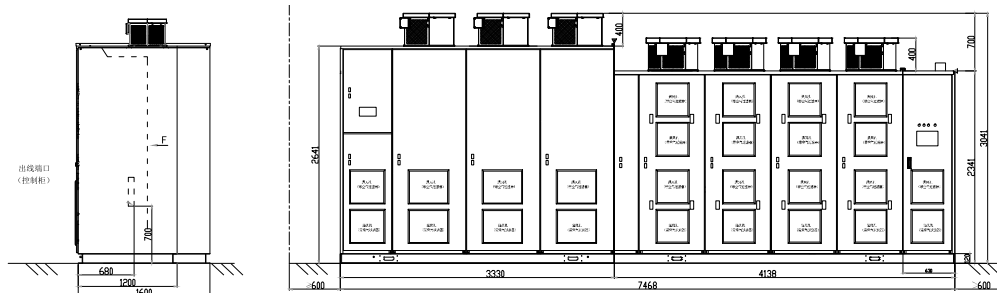


接线端子细节



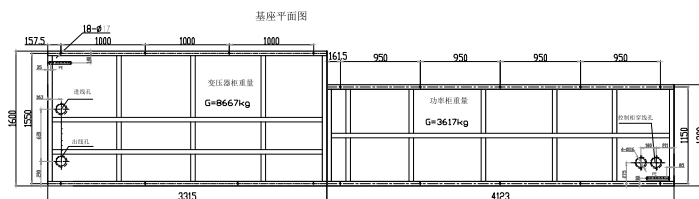
ATV1200C-A4750-1010A3●●

Front view

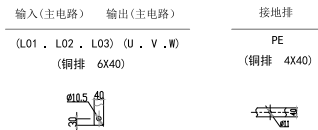


Bottom size

Cable connection



接线端子细节



Altivar 1200C
 Medium-voltage VFD System
 Output voltage 10 kV

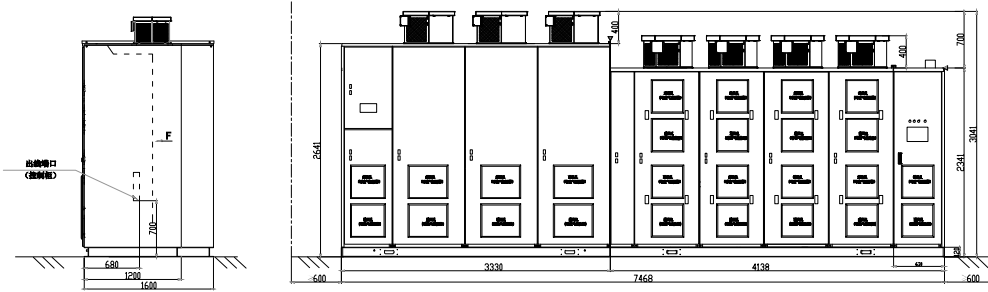
Technical Data (output voltage 10 kV)			
ATV1200C	A5000-1010A3●●	A5625-1010A3●●	A6250-1010A3●●
Rated Data			
Model Rating [kVA]			
	5000	5625	6250
Motor Power [kW]			
	4000	4500	5000
Rated Current [A]			
Standard Overload 120%	280	330	360
Maximum Output Current [A]			
Allow 1 Minute Every 10 Minutes	336	396	432
Power Cell			
Number of Cell per Phase			
	8	8	8
Characteristics			
Air Volume [m³/h]			
	32200	32200	37600
Weight [kg]			
	14817	16010	17837
Size [mm] W*D*H			
	7468×1600×3041	7468×1600×3041	9374×1700×3041
Connection			
Incoming Cable			
Type	Standard symmetrical cable	Standard symmetrical cable	Standard symmetrical cable
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Motor Cable			
Type	3-core	3-core	3-core
Maximum Size	Refer to drawings	Refer to drawings	Refer to drawings
Maximum Length (without output filter)	2000m	2000m	2000m

Altivar 1200C

Medium-voltage VFD System
Output voltage 10 kV

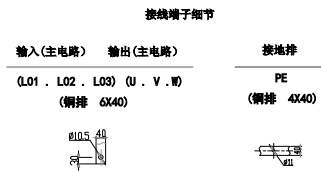
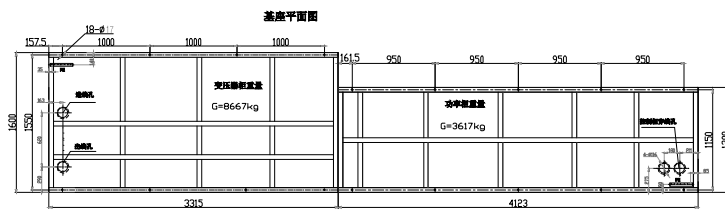
ATV1200C-A5000-1010A3...ATV1200C-A5625-1010A3...

Front view



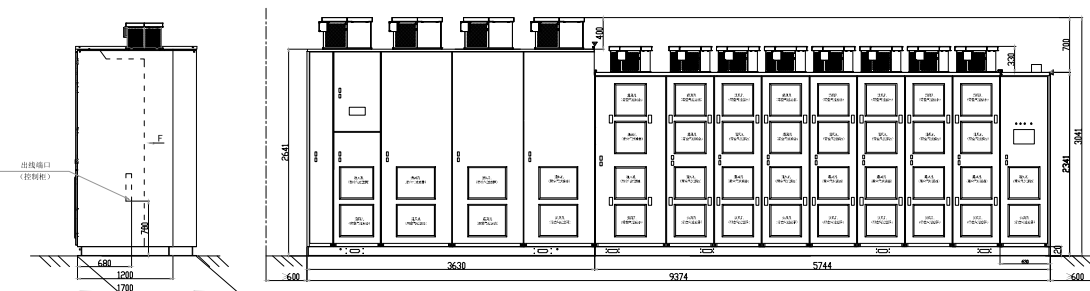
Bottom size

Cable connection



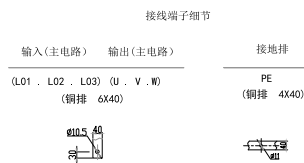
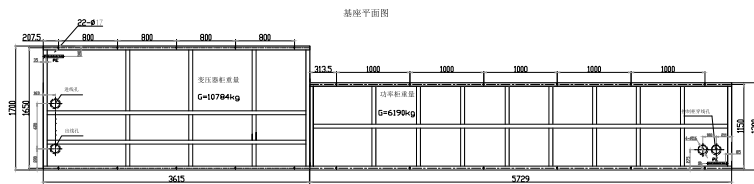
ATV1200C-A6250-1010A3...

Front view



Bottom size

Cable connection



Altivar 1200C

Medium-voltage VFD System

Instruction:

Inquirer shall fill in the blank parameter value manually.

The mark “•” indicates “mandatory”. Please fill in the rest as much as possible. If not filled, standard practice shall prevail.

Optional configuration will result in a considerable increase in cost. If selected, please specify the reason in the Remarks column.

Information of Inquirer																																									
Name	Inquiry Date	BU Division	Region																																						
Configuration																																									
Parameter Name	Parameter Value	Remarks																																							
• Buyer Name																																									
• User Name																																									
• Shipping Destination																																									
• Industry	<input type="checkbox"/> Electricity <input type="checkbox"/> Electricity <input type="checkbox"/> Iron&Steel <input type="checkbox"/> Other metal <input type="checkbox"/> Mining <input type="checkbox"/> Cement <input type="checkbox"/> COG <input type="checkbox"/> Municipal <input type="checkbox"/> Paper Others: _____																																								
• Load Type	<input type="checkbox"/> Fan <input type="checkbox"/> Pump <input type="checkbox"/> Compressor <input type="checkbox"/> Belt conveyor <input type="checkbox"/> Mill Others: _____ (please specify special requirements)																																								
• Altitude	_____meter, standard (within 1,000 meters). 1,000 meters - 4,500 meters custom design																																								
• Grid Voltage	<input type="checkbox"/> 6kV <input type="checkbox"/> 10kV Others: _____																																								
• Motor Parameters	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Item</th> <th>Number*</th> <th>Motor Type</th> <th>Power*</th> <th>Motor Voltage*</th> <th>Motor Frequency*</th> <th>Motor Speed*</th> <th>Motor Current</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td>kW</td> <td>kV</td> <td>Hz</td> <td>rmp</td> <td>A</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td>kW</td> <td>kV</td> <td>Hz</td> <td>rmp</td> <td>A</td> </tr> <tr> <td>3</td> <td></td> <td></td> <td>kW</td> <td>kV</td> <td>Hz</td> <td>rmp</td> <td>A</td> </tr> </tbody> </table>									Item	Number*	Motor Type	Power*	Motor Voltage*	Motor Frequency*	Motor Speed*	Motor Current	1			kW	kV	Hz	rmp	A	2			kW	kV	Hz	rmp	A	3			kW	kV	Hz	rmp	A
	Item	Number*	Motor Type	Power*	Motor Voltage*	Motor Frequency*	Motor Speed*	Motor Current																																	
	1			kW	kV	Hz	rmp	A																																	
	2			kW	kV	Hz	rmp	A																																	
3			kW	kV	Hz	rmp	A																																		
Note: because motor parameters decide the cost, please ensure the motor parameters are correct.																																									
• Bypass Scheme	<input type="checkbox"/> None <input type="checkbox"/> One-to-one manual bypass cabinet <input type="checkbox"/> One-to-one automatic bypass cabinet																																								
• Delivery requirement	_____week (starting from the order date) or specific date_____																																								
• Shelf Life	Standard: 12 months after debugging or 18 months after delivery, whichever comes first. Special requirements_____																																								
Rated Current/4s Thermal Stability Current of Isolation Switch	<input type="checkbox"/> 630A/20kA standard; <input type="checkbox"/> 1000A/31.5kA optional <input type="checkbox"/> 1250A/40kA optional; Others: _____(please specify special requirements) Note: if bypass cabinet is needed, please select this item.																																								
Control Power Supply	<input type="checkbox"/> Single-way AC220V-5A standard; <input type="checkbox"/> AC-DC ACDC220V-5A optional;																																								
Power Supply	<input type="checkbox"/> Standard 380VAC 3-phase 4-wire, if provided on site <input type="checkbox"/> Optional if not provided on site;																																								
UPS	<input type="checkbox"/> Online 1kVA optional.																																								
Communication Protocol	<input type="checkbox"/> Modbus standard <input type="checkbox"/> Profibus optional																																								
Digital Input/Output	Digital input standard 6-way; expansion: _____(please specify special requirements) Digital output standard 8-way; expansion: _____(please specify special requirements)																																								

Altivar 1200C

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Analog Input/Output	Analog input standard 4-way; expansion: _____(please specify special requirements) Analog output standard 2-way; expansion: _____(please specify special requirements)
Indoor Temperature	Minimum _____°C Maximum _____°C
Outdoor Temperature	Minimum _____°C Maximum _____°C
Protection Level	<input type="checkbox"/> IP31 standard <input type="checkbox"/> IP41 optional <input type="checkbox"/> IP42 optional
Maintenance Mode	<input type="checkbox"/> Standard for both front and back <input type="checkbox"/> Only optional for front
Optional Configuration	<input type="checkbox"/> Heater inside cabinet <input type="checkbox"/> Other options;
Color	RAL7035 standard; others _____(please specify special requirements)
Overload Capacity	<input type="checkbox"/> 120%/1min standard
Special Installation Requirements	<input type="checkbox"/> Back against wall <input type="checkbox"/> Left against wall <input type="checkbox"/> Right against wall <input type="checkbox"/> Combination of cabinets of multiple VFDs <input type="checkbox"/> Bypass cabinets combination
Other Parameters	_____(please specify special requirements) Note: non-standard parameters such as overload requirements, and special functions

 Make the most of your energy™.