



● **Features**

- ✓ Triple output
- ✓ -20~+70°C working temperature
(refer to derating curve)
- ✓ Short circuit/Over load/Over voltage protections
- ✓ 100% full load high temperature burn in test
- ✓ 2 years warrantee

- **Application:** Industrial control system, mechanical and electric equipment, electric instrument, industrial automation, home appliance and etc.

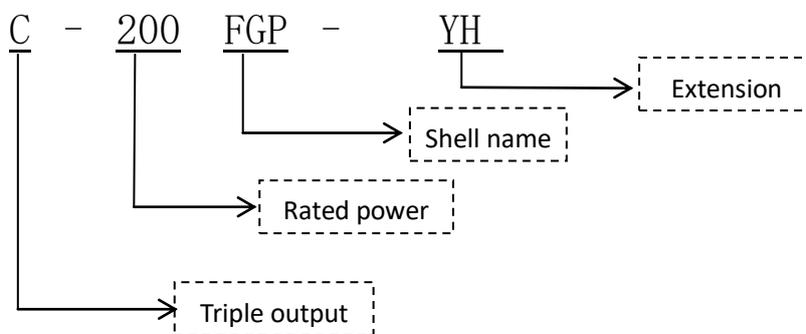
● **Standard**

EN55024\EN61000-4-2, 3, 4, 5, 6, 8, 11\GB17625.1\EN61000-3-2, -3\EN55022\GB4943\UL1012

● **Product description**

C-200FGP-YH serial is one model 200W triple constant voltage output industrial control power supply, voltage input range 176~264VAC, output voltage with 5V、12V、24V and etc triple output, It can applicable for industrial control system, mechanical and electric equipment, electronic instrument, industrial automation, home appliance and various kinds of area. This serial product with super efficiency, compact shell design and good heat exchange guarantee this serial product can long time stable working.

● **Product encoding**



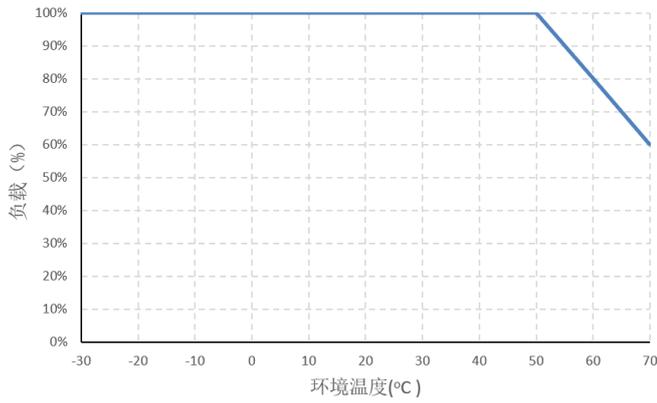
● Electronic parameter

Model		C-200FGP-YH
Input	Voltage range	176~264VAC
	AC current	230VAC/10A
	Efficiency	≥86%
	Frequency range	47~63HZ
	Leakage current	<1.0mA/240VAC
	Inrush current	60A/230VAC
Output	DC voltage	V1: 24V, V2: 12V, V3: 5V
	Rated current	V1: 5A, V2: 5A, V3: 4A
	Power	200W
	Voltage adjustment range	/
	Ripple& noise	200mVp-p
	Set up & lifting time	3000ms, 50ms/230VAC load 100%
	Keep time	16ms/230VAC load 100%
	Line regulation	±1.0%
	Load regulation	±5.0%
	Voltage tolerance	±5.0%
EMC	EMC emission	Design refer to :EN55024 ;EN61000-4-2, 3, 4, 5, 6, 8, 11
	Harmonic current	Design refer to :GB17625.1;EN61000-3-2, -3 value limited
	EMC Index	Design refer to :EN55022 class A
Safety	Safety standard	Design refer to :GB4943/UL1012
	Withstand voltage	Input—Output I/P-0/P:3KVac/10mA; Input---Shell I/P-CASE:1.5KVac/10mA; Output ---Shell O/P-CASE:0.5KVAC/10mA Each item test time :1min
	Isolation resistance	I/P-0/P:50M ohms; I/P-Case:50M ohms; O/P-Case:50M ohms
Protection	Over voltage	V1:DC27~33V V2:DC14~18V; Lock mode, restart to recover
	Over load	110~150% rated Hiccup mode, recover after remove overload.
	Over temperature	/
	Short circuit	protection after output end short circuit, remove short circuit automatically recover.
Environment	Working temperature and humidity	-20~70℃ 20%~95%RH Non condensing (refer derating curve)
	Storage temperature and humidity	-40℃~85℃; 10%~95%RH Non condensing
	Vibration	Frequency range 10 ~ 500Hz, Acceleration 2G, each sweep frequency cycle10min., each along X,Y, Z axes 6 sweep frequency cycle
	Shock	Acceleration 20G, duration 11ms, 3 shocks along X,Y, Z axes.
	Altitude height	2000mtrs (Above 2000m, rise 100m, Environment temperature decrease 0.6℃)
Reliability	MTBF	Under 25℃ environment :100000Hrs, MIL-217 Method
Other	Dimension	225*130*61 mm (L*W*H)
	Packing	1.68Kg/pc, 10pcs/carton, 18KG/carton
	Way of cooling	<input checked="" type="checkbox"/> self-cooling <input type="checkbox"/> air cooling
	Extension	<input type="checkbox"/> Double three proof <input type="checkbox"/> With cover <input type="checkbox"/> Low temperature set up (-40℃) <input type="checkbox"/> Other

Remark	<ul style="list-style-type: none">* In order prolong lifetime , it is recommend to leave 30% more allowance when configuration load. For example: equipment need 100W, the power supply should not less than 130W.* The way of test switching power supply ripple : Use 20MHz oscilloscope in power output terminal test, oscilloscope probe wire length is not more than 12mm, and input parallel 47uF electrolytic capacitors and 0.1uF high frequency capacitance probe.* All electrical performance test under 25°C environment .* This product when full load use need increase area 400*400*3mm aluminum plate auxiliary heat exchange* Power is the part of equipment system component, all EMC test need assembly sample on the metal plate, power need connect end equipment to process EMC confirm.
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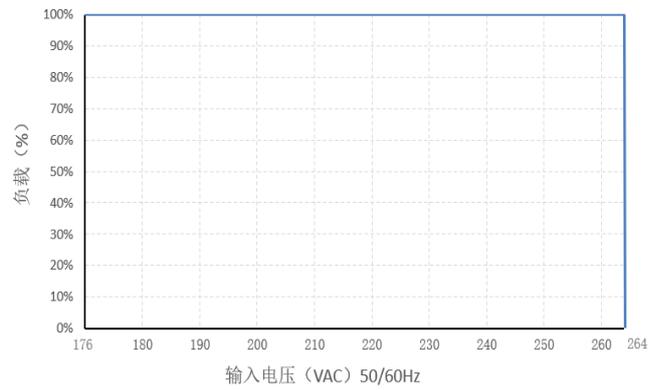
● Output load and temperature curve

负载vs环境温度

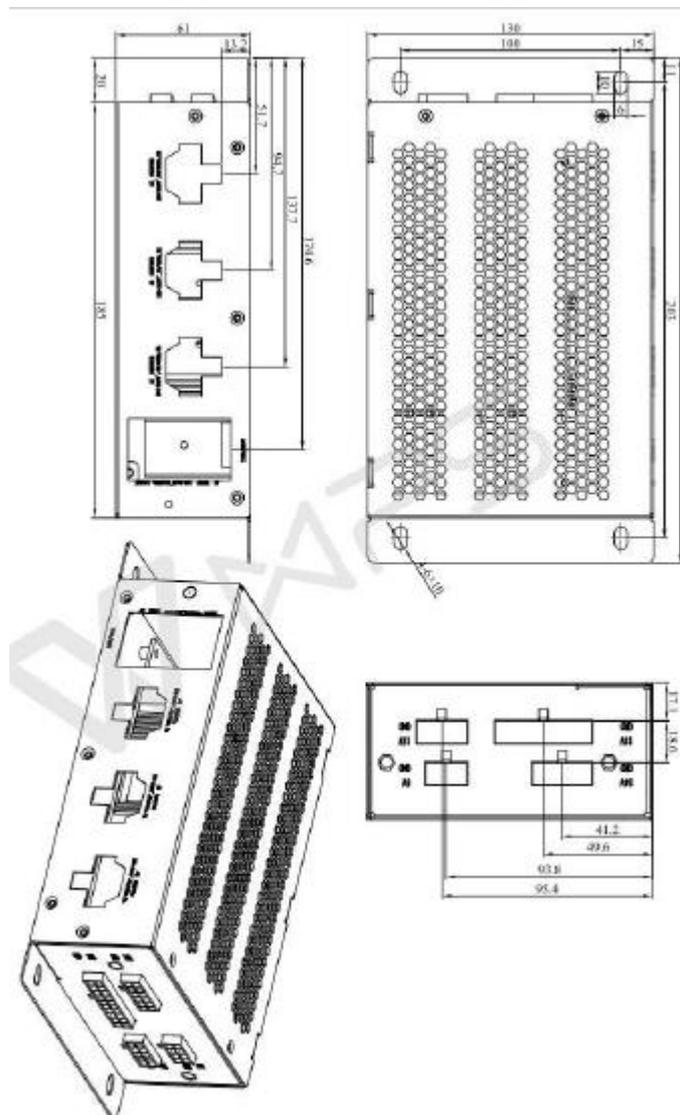


● Static characteristics curve

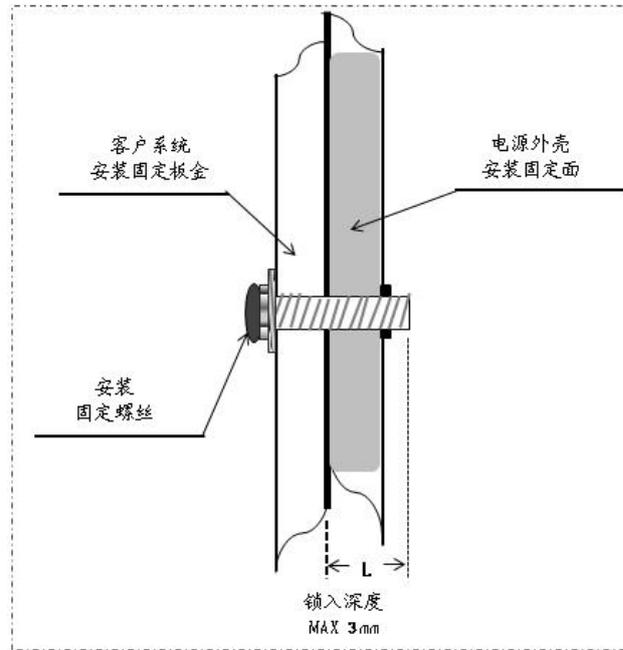
负载vs输入电压



● Mechanical dimension



● Way of installation

<p>Alarm</p> <ul style="list-style-type: none">• Use install screw M3*6mm,• Shell screw depth MAX 3mm,• refer right picture	
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● Product installation and explanation

1. When installing, please install according to instruction of installation
2. Please check and proofread each connecting terminal, make sure input and output, AC and DC, positive and negative, voltage value and current value are correct to avoid damage power supply and user equipment before finish installation and connect electricity.
3. Please use multimeter measure live wire, null wire and ground wire whether short circuit, when connect electricity please no load set up.
4. In order not avoid power supply reliability , Please do not exceed the power supply nominal value when using, if need to change power supply output parameter, please kindly contact with our technical department to make sure use effective and reliability.
5. To ensure safety and interference, please make sure ground end grounding(grounding wire >AWG18#).
6. If the power supply fails, please do not repair it without authorization, please contact our service department ASAP, customer service line: 86-519-85215050

● Transport and storage

1. This package applicable for truck, ship, air plane, train and etc, it should be rainproof and handled civilly during transporting.
2. Storage: The product should put into packing carton before use, storage environment temperature and humidity should meet product requirement, warehouse should not have corrosive air or product and no strong mechanical vibrating, shock and strong magnetic field. Packing carton should at least leave 20cm higher from the ground, do not allow water immersion. If storage time more than one year, it should be re-examined by professional people before use.