

VANGUARD CHAIN II

VANGUARD CHAIN II series are online UPS with high performance "Power Factor 1.0", making it an ideal choice for computers, telecommunication equipment and other sensitive electronic devices.



VCR11-6000 / 10000 VA

Main Feature

Compact Design of High Power Density

Power Factor 1.0 output, perfectly protect your critical equipment and ensure the best output performance.

Flexible Configuration

Parallel capability, maximum 4 units (optional).

LCD / LED Display

Equipped with leading LCD and LED display. Users can acquire UPS information instantly from the front panel.

Automatic Fan Speed Adjustment

The intelligent fan system automatically adjusts fan speed base on power load, maintains optimal temperature control and noise emission.

Abundant Interface

RS232, SNMP, and USB port provide cable and internet connection to your electronic equipment for monitoring remotely.

Advanced 3-Level Technology

High efficiency up to 95%, compatible with complicated load.

Intelligent Charging Management

Improve charging efficiency and effectively extend the battery life.

On-Line UPS

Specifications

Model	VCR11-6000	VCR11-10000
Configuration		
Capacity (VA)	6000 VA	10000 VA
Capacity (Watts)	6000 W	10000 W
Form	Rack and Tower Type	
Phase	Single Phase	
Efficiency	ECO Mode Efficiency: 98% Line mode with battery full charged: 94.6%@100% load, 95%@60% load	
Phase		
Phase	Single phase in, single phase out	
Transfer Voltage Range	200VAC/208VAC/220VAC/230VAC/240VAC	
Line low transfer	110VAC	
Line low recovery	121VAC	
Line high transfer	288VAC	
Line high recovery	281VAC	
Input		
Voltage	110VAC~288VAC	
Input Voltage Range	100% load@>176VAC 90% load@>154VAC 75% load@>132VAC 50% load@>110VAC	
Input Current Rating (full charging)	30A / 220V	49A / 220V
Input Frequency Range	40~70Hz	
Input current distortion	<4%	
Input Power Factor	≥0.99	
Cold Start	Yes	
Output		
Rated Power Factor	1.0	
Waveform	Pure Sine Wave	
Voltage	220VAC/230VAC/240VAC ± 1 %, 200VAC/208VAC ± 1 %	
Frequency	50 / 60 Hz	
Synchronization range	±5Hz default, settable	
Transfer Time	0 ms	
Harmonic Distortion	≤ 1% THD, linear load ≤ 5% THD, non linear load	
Crest Factor	3 : 1	
EPO Function	Standard	
Protection		
Overload	Inverter	105% to 110% : Transfer to bypass after 10 mins 111% to 125% : Transfer to bypass after 1 mins 126% to 150%: Transfer to bypass after 30s
	Bypass Mode	less than 125%: long time running 126% to 130% :Shutdown in 5 mins 131% to 150% :Shutdown in 1 mins > 150% :Shutdown in 200 ms
Battery		
Type	12V 7Ah	12V 9Ah
Quantity	16PCS default	
DC Voltage	192VDC default	
Back-up Time	3mins @5kW	2mins @8kW
Typical Recharge Time	8h recharge to 90%	
Charger		
Charging current (max)	1A	
Float Charging Voltage	2.25V/cell default, settable via software	
Boost Charging Voltage	2.25V/cell default, settable via software	
Charging time	8h recharge to 90%	
Leakage current	<3mA	
Management & Communication		
Indicator	LED+LCD	
Communication Port	Standard: RS 232 Option: USB B type, SNMP card, RS 485, DB9 port, dry contact, 10A charger (charger current settable:1-10A)	
Physical		
Dimensions (WxDxH) (mm)	440 x 660 x 172	
Weight (kgs)	58	62
Environment		
Operating Humidity	0-95 % RH at 0-40°C (Non-condensing)	
Audible Noise	<58dB (1m away)	

** Specifications are subject to change without further notice.

** Specifications are for reference, please refer to information based on real product.