

Powertronic

PC MAX series Online HF UPS 10-20kVA, 1.0PF

1. DSP control, with excellent performance and comprehensive protections for load and UPS
2. Output power factor 0.9, offering more stronger load capability
3. Intelligent fan speed control, with 4 levels varying according to load and temperature
4. Wide input range, support kinds of generators
5. Dual input AC source supportable
6. EPO (emergency power off)
7. Event log up to 100 events, recording UPS running time and critical memories
8. High efficiency up to 94% based on most advanced 3 level inverter technology.
9. Intelligent N+X parallel redundancy, up to 6units
10. AC and cold start function
11. Multiple language display with large LCD, plenty of operation information
12. Conformal coating PCB for more critical operation environment
13. 3:1phase into single phase, easy convertible (10-20kVA)
14. Frequency Converter mode: input 50Hz, output 60Hz or vice versa
15. Extremely low failure rate and easy repair(MTBF>80000h,MTBR<0.5h)
- 16.Intelligent 5A charger, prolong battery lifespan by above 20%.12A bigger charger optional



Technical specifications:

MODEL	PC3110XL	PC3115XL	PC3120XL
INPUT			
Acceptable Input Voltage	L-L 190VAC~499VAC		
	100% load@>305VAC		
	90% load@>266VAC		
	75% load@>228VAC		
	50% load@>190VAC		
Phase Three phase in, single phase out			
Transfer Voltage Range L-L 380/400/415VAC			
-Line low transfer 190VAC			
-Line low recovery 209VAC			
-Line high transfer 499VAC			
-Line high recovery 486VAC			
Input Current			
-Rating(nominal input voltage)	20A/380V	30A/380V	40A/380V
-Input Power Factor	≥0.99		
-Input current distortion	≤5%		
-Input Frequency Range	40~70Hz		
OUTPUT			
Frequency adaptable Settable			
Power			
-Power	10KVA	15KVA	20KVA
-Power(kW)	10KW	15KW	20KW
Output Voltage			
-Waveform(Bat. Mode) Pure Sine Wave			
-Nominal voltage L-N 220VAC/230VAC/240VAC, 200VAC/208VAC(PF=0.9)			
-Voltage regulation ±1%			
-Voltage distortion ≤1% THD, linear load ≤3% THD, non linear load			
Output Frequency			
-Synchronization range +5Hz default, settable			
-Battery mode (50±0.1) Hz default			
Transfer Time			
-Line mode to battery mode 0ms			
-Inverter to bypass 0ms			
Efficiency			
-Line mode with battery full charged	94%@100% load, 94.5%@70% load	94.2%@100% load, 95%@70% load	94.2%@100% load, 95%@50% load
-ECO mode	98.0%		
Noise(1m away)			
<55dB		<58dB	<58dB
Overload Capability(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			
less than 125%: long time running			
Overload Capability (Bypass Mode)			
126% to 130% :Shutdown in 5 mins			
131% to 150% :Shutdown in 1 mins			
> 150% :Shutdown in 200 ms			
BATTERY			
Quantity	16-20PCS settable	16-20PCS settable	16-20PCS settable
DC Voltage			
192VDC default, settable			
Charger			
-Charging current (max)	5A max, settable	5A max, settable	5A max, settable
-Float Charging Voltage	2.25V/cell default, settable via software		
-Boost Charging Voltage	2.25V/cell default, settable via software		
Indicator & Alarm			
-Display	LED+LCD		
Interface			
-Smart RS232	Standard Cable support INVT Power Monitor Software		
-EPO	NC, NO settable, forbidden default		
-RS485(option)	Installed in the intelligent slot		
-SNMP(option)	Power Management from SNMP Manager and Web Browser		
Option			
-Intelligent Kits	DB9 port, dry contact		
-parallel	4 units paralleled		
-Super charger (12A)	digitally controlled, 4-steps charge, settable		
-USB	B-type USB port		
-SNMP Kits	Pluggable type		
Working Environment			
-storage	-40~70℃		
-working	0~40℃, humidity 95% non condensation, attitude<3000m (@full load)		
Mechanical			
-W×D×H (mm)	190*485*336	190*485*480	190*485*480
-Net Weight (KG)	20	30	30
-Package Weight (KG)	22	33	33
-Rack / Tower	Tower		