

PL3 SERIES HIGH FREQUENCY ONLINE UPS

6KVA-20KVA
1Phase : 1Phase

Application:



IDC
(Internet Dater Center)



Network



Servers



Workstations



Control system



Communication
system



Office



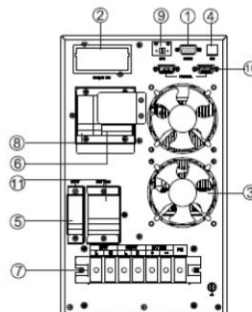
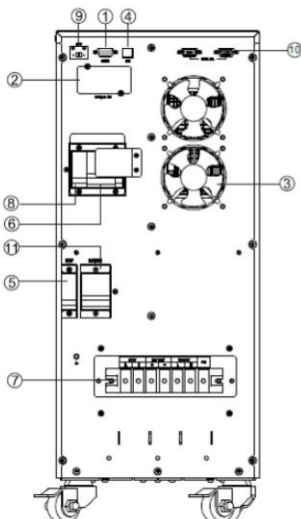
PC



Features:

- True online double-conversion technology
- Wide input voltage range and stable power supply extends battery lifetime
- DSP based technology
- Advanced PFC technology, input PF>99%
- Cold start
- Automatic battery charging on/off mode
- Lighting and surge protection
- LCD/LED display
- Support generator connection
- Smart slot for mission critical applications

Real Panel:



- ① RS232
- ② Smart slot (optional)
- ③ Fan
- ④ USB
- ⑤ Input breaker
- ⑥ Maintenance bypass switch (optional)
- ⑦ Terminal block
- ⑧ Output breaker (optional)
- ⑨ EPO
- ⑩ Parallel kit (optional)
- ⑪ Battery breaker (optional)

Specification:

MODEL	PL3 6KS	PL3 6KL	PL3 10KS	PL3 10KL	PL3 15KS	PL3 15KL	PL3 20KS	PL3 20KL
Capacity	6kVA/6kW	6kVA/6kW	10kVA/10kW	10kVA/10kW	15kVA/15kW	15kVA/15kW	20kVA/20kW	20kVA/20kW
Phase	1 Phase in/1 Phase out							
INPUT								
Nominal Voltage	208/220/230/240VAC (L-N Voltage), L+N+PE							
Input Voltage Range	176~300VAC (L-N voltage)@100%load; 176~110VAC, linearly derating from 100% to 50% load							
Input Frequency Range	50/60±6Hz							
Input Power Factor	>0.99							
Input Current Distortion	< 5%							
Bypass Voltage Range	-40%~20% of nominal voltage, adjustable							
OUTPUT								
Nominal Votage	208/220/230/240VAC, L+N+PE							
Voltage Regulation	± 1 %							
Nominal Frequency	50/60Hz, adjustable							
Output Frequency	Line Mode:50/60±1/2/3/4/5/6Hz , adjustable ; Battery Mode: 50/60±0.001 Hz							
Output Power Factor	1							
Output Voltage(THD)	≤2%@linear load; ≤5%@non-linear load							
Transfer Time	Line mode to Battery mode, 0ms; Inverter to Bypass, 0ms (Synchronized); Bypass to Inverter, 0ms(Synchronized); ECO to Battery Mode, 2ms (Typical Time)							
Crest Ratio	3:1							
Overload Capacity (Line Mode)	10 min @ 102%~110% load; 1 min @ 110%~130% load; 10s @130%~150% load; 200 ms @ >150% load		30 min @ 102%~110% load; 10 min @ 110%~130% load; 30s @130%~150% load; 200 ms @ >150% load		30 min @ 102%~110% load; 10 min @ 110%~130% load; 30s @130%~150% load; 500 ms @ >150% load			
Overload Capacity (Battery Mode)		10 min @ 102%~110% load; 1 min @ 110%~130% load; 10s @130%~150% load; 200 ms @ >150% load			10 min @ 102%~110% load; 1 min @ 110%~130% load; 10s @130%~150% load; 500 ms @ >150% load			
Output Short Circuit Protection	Line Mode: Current limitation; Battery Mode: Current limitation; Bypass Mode: Breaker							
BATTERY								
Battery Type	Sealed Lead Acid Maintenance Free (VRLA)							
Nominal Voltage	192~240VDC, adjustable							
Charging Voltage	Floating Charge, 2.25V/cell; Boost Charge, 2.35V/cell							
Battery Number&Capacity	16 pcs, 12V/7Ah	External	16 pcs, 12V/9Ah	External	16 pcs*2strings, 12V/9Ah	External	16 pcs*2strings, 12V/9Ah	External
Charging Current	1A	1~12A, adjustable	1A	1~12A, adjustable	2A	1~12A, adjustable	1~2A, adjustable, default 2A	1~12A, adjustable
Charging Mode	Two Satges (CC/Floating) or Three Stages (CC/CV/Floating, settable)							
Typical Recharge Time	9 hours recharge to 90%	Depending on the capacity of external batteries	9 hours recharge to 90%	Depending on the capacity of external batteries	9 hours recharge to 90%	Depending on the capacity of external batteries	9 hours recharge to 90%	Depending on the capacity of external batteries
Battery Protection	Battery Leakage < 500μA, Over Voltage Protection, Under Voltage Protection, Over Current Protection; Battery Deep Discharge Protection							
EFFICIENCY								
Line Mode	95.5% (Max)				94% (Max)			
Battery Mode	95% (Max)				92% (Max)			
ECO Mode	98.5%				98%			
INDICATORS								
LCD Panel	UPS status, Battery Level, Load Level, Input/Outpt/Battery Voltage, Fault&Alarm Code							
Audible Alarm	Utility Failure, Battery Voltage Low, Overload, System Fault							
MANAGEMENT								
Interface	RS232 ,USB, Parallel Card, EPO Port, SNMP Card (Optional), Relay Card (Optional)							
ENVIRONMENT								
Operating Temperature	0~40°C							
Operating Humidity	0~95% RH, non-condensing							
Storage Temperature	-15~60°C (Battery: 0-40°C)							
Altitude	<1000m, derating 1% per 100m from 1000 ~ 2000m							
Noise (1Meter Away)	<55dB				< 60dB			
PHYSICAL								
Dimension (W*D*H, unit:mm)	250x523x602	190x437x322	250x523x602	190x437x322	251*635*315	215*635*722	251*635*315	215*635*722
Net Weight (kg)	57	9.8	61.3	10.8	99	33	100	35
Color	Black (RAL9004)							
STANDARDS								
Safety	IEC 62040-1:2017							
EMC	IEC 62040-2:2018							
Performance	IEC 62040-3:2011							
Battery	IEC 60896-22:2004							