

PL3 RM SERIES HIGH FREQUENCY ONLINE UPS

1KVA-10KVA
1Phase : 1Phase



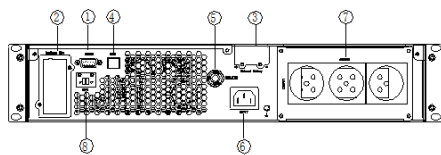
Application:

IDC(Internet Dater Center), network ,servers and workstations, control system, communication system , office , PC etc

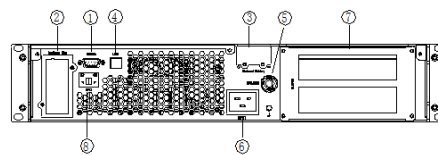
Features:

- True online double-conversion technology
- Wide input voltage range and stable power supply extends battery lifetime
- DSP technology and Three level technology
- Advanced PFC technology, input PF>99%
- Cold start
- Automatic battery charging on/off mode
- Lighting and surge protection
- LCD display
- Smart RS232 port with monitoring software
- Smart slot for mission critical applications

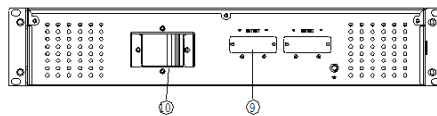
Real Panel:



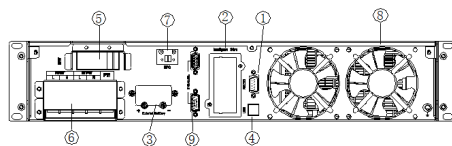
1KS(L)



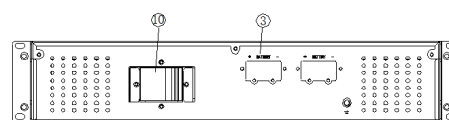
2KS(L)/3KS(L)



Battery pack



6KL/10KL



Battery pack

- ① RS232
- ② Smart slot(optional)
- ③ External battery connection port
- ④ USB
- ⑤ Input over current protection breaker
- ⑥ AC Input
- ⑦ Output socket
- ⑧ EPO
- ⑨ Battery interface
- ⑩ Battery breaker

- ① RS232
- ② Smart slot
- ③ Battery interface
- ④ USB
- ⑤ Input breaker
- ⑥ Input breaker
- ⑦ Terminal block
- ⑧ EPO
- ⑨ Fan
- ⑩ Battery breaker

Specification:

MODEL	PL3 RM1KS	PL3 RM1KL	PL3 RM2KS	PL3 RM2KL	PL3 RM3KS	PL3 RM3KL	PL3 RM6KL	PL3 RM10KL	
Capacity	1kVA/1kW	1kVA/1kW	2kVA/2kW	2kVA/2kW	3kVA/3kW	3kVA/3kW	6kVA/6kW	10kVA/10kW	
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	50/60±6Hz								
Input Power Factor	>0.99								
Input Current	< 4%				< 5%				
Bypass Voltage	-40%~20% of nominal voltage, adjustable								
OUTPUT									
Nominal Voltage	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	≤3%@linear load; ≤5%@non-linear load				≤2%@linear load; ≤5%@non-linear load				
Transfer Time	Line mode to Battery mode, 0ms; Inverter to Bypass, 4ms (Synchronized); Bypass to Inverter, 4ms(Synchronized); ECO to Battery Mode, 6ms (Typical 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)	30 min @ 102%~110% load; 10 min @ 110%~130% load; 30s @130%~150% load; 200 ms @ >150% load				10 min @ 102%~110% load; 30 min @ 102%~110% load; 1 min @ 110%~130% load; 10 min @ 110%~130% load; 10s @130%~150% load; 30s @130%~150% load; 200 ms @ >150% load 200 ms @ >150% load				
Overload Capacity (Battery Mode)	1 min @ 102%~110% load; 10s @ 110%~130% load; 3s @130%~150% load; 200 ms @ >150% load				10 min @ 102%~110% load; 1 min @ 110%~130% load; 10s @130%~150% load; 200 ms @ >150% load				
Overload Capacity (Bypass Mode)	Depending the input breaker (10A)		Depending the input breaker (20A)				Depending the input breaker (63A)		
Output Short Circuit	Line Mode: Current limitation; Battery Mode: Current limitation; Bypass Mode: Breaker								
BATTERY									
Battery Type	Sealed Lead Acid Maintenance Free (VRLA)								
Nominal Voltage	24VDC	36VDC	48VDC	72VDC	72VDC	96VDC	192VDC		
Charging Voltage	Floating Charge, 2.25V/cell; Boost Charge, 2.35V/cell								
Battery	2 pcs, 12V/9Ah	External	4 pcs, 12V/9Ah	External	8 pcs, 12V/9Ah	External	External		
Charging Current	1A	1~12A, adjustable	1~4A, adjustable, default 1A	1~12A, adjustable	1~4A, adjustable, default 1A	1~12A, adjustable	1~12A, adjustable		
Charging Mode	Two Stages (CC/Floating) or Three Stages (CC/CV/Floating, adjustable)								
Typical Recharge	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	94.5% (Max)	94.5% (Max)	95.5% (Max)	95.5% (Max)			95.5% (Max)		
Battery Mode	87.5% (Max)	88.5% (Max)	89.5% (Max)	91.5% (Max)			95% (Max)		
ECO Mode	98%							98.5%	
INDICATORS									
LCD Panel	UPS status, Battery Level, Load Level, Input/Output/Battery Voltage, Fault&Alarm Code								
Audible Alarm	Utility Failure, Battery Voltage Low, Overload, System Fault								
MANAGEMENT									
Interface	RS232 ,USB, EPO Port, SNMP Card (Optional), Relay Card (Optional)								
ENVIRONMENT									
Operating	0~40°C								
Operating Humidity	0~95% RH, non-condensing								
Storage	-15~60°C (Battery: 0-40°C)								
Altitude	<1000m, derating 1% per 100m from 1000 ~ 2000m								
Noise (1Meter Away)	< 50dB				< 55dB				
PHYSICAL									
Dimension	440*335*86		440*425*86		440*570*86		440*425*86		440*487*86
Net Weight (kg)	8.6	4	15.6	6.4	22.5	8.2	15	17	
Color	Black (RAL9004)								
STANDARDS									
Safety	IEC 62040-1:2017								
EMC	IEC 62040-2:2018								
Performance	IEC 62040-3:2011								
Battery	IEC 60896-22:2004								