

PL3 RM SERIES HIGH FREQUENCY ONLINE UPS

1KVA-3KVA

1-Phase In/1-Phase Out

Application:

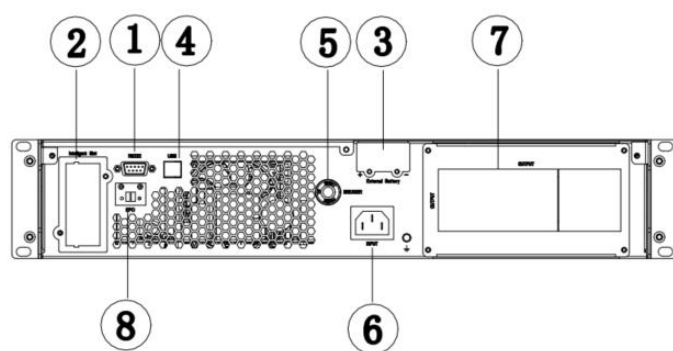
IDC(Internet Dater Center), network ,servers and workstations, control system, communication system , office , PC etc.



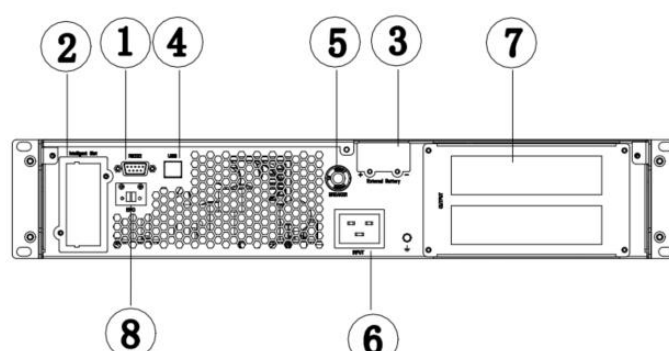
Features:

- Rack/Tower Convertible design
- True online double-conversion technology
- Output power factor is 1, kVA/kW
- Digital charging design, Adjustable from 1 to 12A
- High efficiency, AC to AC 95%
- Intelligent slot, support SNMP / RS485 / AS400 card
- Auto fan speed adjustment
- Wide input voltage range, 110Vac to 300Vac
- Emergency power off function (EPO)
- Generator compatible
- Battery cold start
- Hot-Swappable battery
- Smart RS232/USB port with monitoring software
- ECO mode operation for energy saving (ECO)
- DSP (Digital Signal Processing) technology guarantees high performance
- Advanced PFC (Power Factor Correction) technology, input PF>99%

Real Panel:



1KS/1KL



2KS/2KL/3KS/3KL

①RS232

②SmartSlot

③External battery port

④USB

⑤Input overcurrent protection breaker

⑥AC input

⑦Output socket

⑧EPO

Specification:

MODEL	PL3RM1KS	PL3RM1KL	PL3RM2KS	PL3RM2KL	PL3RM3KS	PL3RM3KL
Capacity	1kVA/1kW	1kVA/1kW	2kVA/2kW	2kVA/2kW	3kVA/3kW	3kVA/3kW
Phase	1 Phase in/1 Phase out					
INPUT						
Nominal Voltage	208/220/230/240VAC (L-N Voltage), L+N+PE					
Input Voltage Range	110~300Vac					
Input Frequency Range	50/60±6Hz					
Input Power Factor	≥0.99					
Input Current Distortion (THDi)	≤4% (linear load); ≤5% (non-linear load)					
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 ± 0.1%					
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 Distortion (THDu)	≤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)					
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;					
Overload Capacity (Battery Mode)	1 min @ 102%~110% load; 10s @ 110%~130% load; 3s @130%~150% load; 200 ms @ >150% load;					
Overload Capacity (Bypass Mode)	Depending the input breaker (10A)		Depending the input breaker (20A)			
Output Short Circuit Protection	Line Mode: Current limitation; Battery Mode: Current limitation; Bypass Mode: Breaker					
BATTERY						
Battery Type	Sealed Lead Acid Maintanance Free (VRLA)					
Nominal Voltage	24VDC	36VDC	48VDC	72VDC	72VDC	96VDC
Charging Voltage	Floating					
Battery Number&Capacity	2 pcs, 12V/9Ah	External	4 pcs, 12V/9Ah	External	6 pcs, 12V/9Ah	External
Charging Current	1~4A, adjustable, default 1A	1~12A, adjustable	1~4A, adjustable, default 1A	1~12A, adjustable	1~4A, adjustable, default 1A	1~12A, adjustable
Charging Mode	Two Satges (CC/Floating) or Three Stages (CC/CV/Floating, adjustable)					
Battery Protection	Battery Leakage < 500μA,Over Voltage Protection, Under Voltage Protection, Over Current Protection; Battery Deep Discharge Protection					
EFFICIENCY						
Line Mode	94.5% (Max)		95.5% (Max)		95.5% (Max)	
Battery Mode	88.5% (Max)		89.5% (Max)		91.5% (Max)	
ECO Mode	98%					
INDICATORS						
LCD Panel	Two Satges (CC/Floating) or Three Stages (CC/CV/Floating, adjustable)					
Audible Alarm	Battery Leakage < 500μA,Over Voltage Protection,Under Voltage Protection,Over Current Protection; Battery Deep Discharge Protection					
MANAGEMENT						
Interface	Rs232 / USB/ SNMP card(optional) /AS400 card(optional)/RS485 card(optional)					
ENVIRONMENT						
Operating Temperature	0~40 ℃					
Operating Humidity	0~95% RH, non-condensing					
Storage Temperature	-15~60℃ (Battery: 0~40 ℃)					
Altitude	<1000m, derating 1% per 100m from 1000 ~ 2000m					
Noise (1Meter Away)	≤50dB@1meter away					
PHYSICAL						
Dimension(W*D*H, unit:mm)	440*379*86	440*379*86	440*568*86	440*450*86	445*560*86	440*450*86
Net Weight (kg)	8.6	4	18	8	24	10
Color	Black (RAL9004)					
STANDARDS						
Safety	IEC 62040-1:2017					
EMC	IEC 62040-2:2018					
Performance	IEC 62040-3:2011					
Battery	IEC 60896-22:2004					



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