Powerpack RT Series

Rackmounted Server and Other Networking Equpment
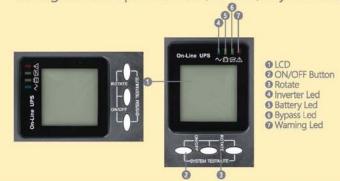
real source of power

1 USB
2 SNMP / DRYCONTACT BOARD

- Rack-Tower Convertible
- Two Directions LCD Display
- Online-Double Conversion (PFC)
- Full Digital Control (DSP)
- Output Power Factor: 0.8
- Economic Operation Mode (ECO)
- Wide Input Voltage Range
- Cold Start (DC)
- Multifunctional Protection
- Output Bypass Can be
- Live Wires Reverse Detection
- Optimized Battery Configuration: 1K-24VA 2K-48VA 3K-72VA
- Charger can be Extended
- Intelligent Slot Optional: USB /SNMP /Dry Contact Board

On-Line UPS

1 LCD
2 ON/OFF Button
3 Rotate
4 Inverter Led
5 Battery Led
6 Bypass Led
7 Warning Led

1kVA • 2kVA • 3kVA

MAKELSAN
Uninterruptible Power Supplies

MAKELSAN®
Uninterruptible Power Supplies

MODEL						
Capacity	1000VA / 800W		2000VA / 1600W		3000VA / 2400W	
INPUT						
Phase	Single Phase & Ground					
Rated Voltage	220VAC					
Voltage Range	115VAC-295VAC					
Frequency Range	45~55Hz ±0.5Hz or 55~65Hz ±0.5Hz Auto Sensing					
Power Factor	≥ 0.98					
ECO Range	200VAC-240VAC					
Bypass Voltage Range	186VAC-252VAC					
Current Harmonic	≤7% (100% Non-linear Load)					
OUTPUT						
Phase	Single Phase & Ground					
Rated Voltage	200/208/220/230/240VAC (Optional)					
Power Factor	0.8					
Voltage Precision	±2%					
Output Frequency — Utility Mode	46-54Hz at 50Hz/56-64Hz at 60Hz					
Output Frequency — Battery Mode	(50/60±0.2%) Hz					
Crest Factor	3:1					
Transfer Time	(Utility ◄——► Battery) =0ms					
	(Utility ◄——► Bypass) <4ms					
	(Utility ——► ECO) <10ms					
	(Battery ——► ECO) <10ms					
Overload Capability — Battery Mode	108% ±5%<Load.150% ±5% Exceed 30s ,Cut Off and Alarm 150% ±5%<Load<200% ±5% Exceed 300ms, Cut off and Alarm					
Overload Capability — Utility Mode	108%±5%<Load.150%±5% Exceed 30s Transfer to Bypass and Alarm, 150% ±5%<Load<200%±5% Exceed 300ms Transfer to Bypass and Alarm					
Efficiency — Utility Mode	87%		88%		88%	
Efficiency — Battery Mode	85%		85%		85%	
THD	≤3% (100% Linear Load)					
	≤5% (100% Non-Linear Load)					
ECO EFFICIENCY	≥94%					
BATTERY						
Voltage	24VDC	24VDC	48VDC	48VDC	72VDC	72VDC
Battery Configuration	2x12V/9AH	-	4x12V/9AH	-	6x12V/9AH	-
Type	12V/9AH Free Maintenance High-Rate Sealed Lead Acid Battery (Standard)					
Backup Time	Full load ≥5min (Standard), Long Time Unit Depends on the Capacity of Battery					
Charge Current (A)	1A	6A	1A	7A	1A	7A
COMMUNICATION INTERFACE	RS232 Port, Optional (USB Port, USB Card, SNMP Card, Dry Contact Card)					
OPERATING ENVIRONMENT						
Temperature	0~40°C					
Humidity	0~90% (Non-Condensing)					
Storage Temperature	-25°C~55°C					
Altitude	< 1500m					
OTHER						
Unit Dimensions (W x D x H) (mm)	440 × 380 × 86.5		440 × 520 × 131			
Weight (kg)	12/14.5	7/9.5	21.5/24.5	11.5/14.3	26/28.8	11.7/14.5
INDUSTRY STANDARD	CE,EN/IEC 62040-2,EN/IEC 62040-1-1					