

PowerMust 1008/2016/3024 (L) Online LCD RM



PowerMust 1008 (L) Online LCD RM rear panel



PowerMust 2016 (L) Online LCD RM rear panel



PowerMust 3024 (L) Online LCD RM rear panel

Features

- True double-conversion online UPS with LCD display and rack mount compatible
- Output power factor 0.8
- Wide input voltage range (110-300 VAC)
- Input power factor correction 0.99
- 50/60 Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Programmable power management outlet
- Emergency power off (EPO) function
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- Smart battery charger design for optimized battery performance
- Selectable output voltage

PowerMust 1008/2016/3024 (L) Online LCD RM

Specification

Product type		Uninterrupted power supply; Online		
Model		PM 1008 (L) Online LCD RM	PM 2016(L) Online LCD RM	PM 3024(L) Online LCD RM
Capacity		1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W
Input				
Voltage Range	Low line transfer	160 VAC / 140 VAC / 120 VAC / 110 VAC \pm 5 % or 80 VAC / 70 VAC / 60 VAC / 50 VAC \pm 5 % (based on load percentage 100% - 80% / 80% - 70% / 70% - 60% / 60% - 0)		
	Low line comeback	175 VAC \pm 5 % or 85 VAC \pm 5 %		
	High line transfer	300 VAC \pm 5 % or 150 VAC \pm 5 %		
	High line comeback	290 VAC \pm 5 VAC or 143 VAC \pm 3 VAC		
Frequency range		40 Hz ~ 70 Hz		
Phase		Single phase with ground		
Output				
AC voltage regulation (Batt. mode)		\pm 1 %		
Frequency range (Synchronized Range)		47 ~ 53 Hz or 57 Hz ~ 63 Hz		
Frequency range (Batt. mode)		50 Hz \pm 0.25 Hz or 60 Hz \pm 0.3 Hz		
Current crest ratio		3:1		
Harmonic distortion		\leq 3 % THD (Linear Load)	\leq 4 % THD (Linear Load)	
		\leq 6 % THD (Non-linear Load)	\leq 7 % THD (Non-linear Load)	
Transfer time	AC to DC	Zero		
	Inverter to Bypass	4 ms (Typical)		
Output waveform (Batt. mode)		Pure Sine Wave		
Efficiency				
To AC mode		85%	88%	
To battery mode		83%		
Battery				
Standard model	Battery type & number	12 V/7 Ah x 3	12 V/7 Ah x 6	12 V / 9 Ah x 6
	Recharge time	4 hours recover to 90% capacity		
	Charging current (max.)	1.0 A		
	Charging voltage	41.0 VDC \pm 1%	82.1 VDC \pm 1%	
	Back up time (half loading)	15.5 minutes	18 minutes	13 minutes
Long-run model	Back up time (full loading)	5.5 minutes	6.5 minutes	5.5 minutes
	Battery voltage	Depending on the capacity of external batteries		
	Typical recharge time	/		
	Charging current (max.)	8.0 A		
	Charging voltage	41.0 VDC \pm 1%	82.1 VDC \pm 1%	
Indicators				
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions		
Alarm				
Battery mode		Sounding every 4 seconds		
Low battery at battery mode		Sounding every second		
Fault		Continuously sounding		
Overload		Sounding twice every second		
Physical				
Standard model	Dimension, DXWXH (mm)	420 X 438 X 88 [2U]	580 X 438 X 133 [3U]	
	Net weight (kg)	16	29	31
Long-run model	Dimension, DXWXH (mm)	420 X 438 X 88 [2U]	580 X 438 X 133 [3U]	
	Net weight (kg)	10	17	
Operating environment				
Operating environment		20-90 % RH @ 0- 40°C (non-condensing)		
Noise level		Less than 45dB @ 1 Meter		
Interface				
Power cord connector		1x		
IEC outlet		4x	6x	8x
Socket outlet		N/A		
Phoneline/Network protection connector		RJ11/45 (1xin/ 1xout)		
RS-232		1x/ Compliant OS: Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, and MAC		
USB port		1x/ Compliant OS: Windows family and MAC		
SNMP card slot		1x		
Accessories		IEC outlet cable x 2, USB cable, User guide, Software CD, Fitting ears x 1pair, optional: SNMP card		