

## PowerMust 1000/2000/3000/6000/10000E Online LCD



### Features

- Double-conversion online USV with LCD display
- Protection against data losses and damages to the sensible IT equipment
- High reliability with micro processor control
- Smart RS-232 communication port
- Free software download
- Equipped with comprehensive self-protection design
- Optional SNMP module: allows communication among various OS and remote monitoring of the UPS
- Audible alarm function with mute option
- Cold-start function and auto self-testing while turning the UPS on
- Extra wide voltage range

## PowerMust 1000/2000/3000/6000/10000E Online LCD

### Specification

Product type		Uninterrupted power supply; Online				
Model		PM 1000E Online LCD	PM 2000E Online LCD	PM 3000E Online LCD	PM 6000E Online LCD	PM 10000E Online LCD
Capacity		1000 VA / 700W	2000 VA / 1400W	3000 VA / 2100W	6000 VA / 4200W	10000VA / 7000W
<b>Input</b>						
Phase		Single phase with ground				
Frequency range		46Hz - 54Hz / 54 - 64Hz				
Power factor		0.7				
Voltage range	Line low transfer	176VAC/140VAC/120VAC/110VAC (±5V)				
	Line low comeback	186VAC/150VAC/130VAC/120VAC (±5V)				
	Line high transfer	276VAC (±5V)				
	Line high comeback	266VAC (±5V)				
<b>Output</b>						
Phase		Single				
Voltage		208VAC/220VAC/230VAC/240VAC				
Voltage regulation		± 2 %				
Frequency (synchronized range)		46Hz - 56Hz / 54 - 64Hz				
Frequency ( Batt. mode )		1 Hz/s				
Current crest ratio		3:1				
Harmonic distortion		≅ 4% THD (Linear Load) ≅ 7% THD (Non-Linear Load)				
Output waveform ( Batt. mode )		Pure sine wave				
<b>Efficiency</b>						
To AC mode		86%	86%	86%	88%	88%
To Battery mode		80%	83%	83%	88%	88%
<b>Battery</b>						
Battery type		12V / 7AH	12V / 7AH	12V / 7AH	12V / 7AH	12V / 9AH
Numbers of batteries		2	4	6	12	16
Backup time (65% Load)		>5minutes	>5minutes	>5minutes	>5minutes	>5minutes
Recharge time		5h charge to 90%	5h charge to 90%	5h charge to 90%	5h charge to 90%	5h charge to 90%
Charging current (Max.)		1.0A	1.0A	1.0A	1.0A	1.0A
Charging voltage		(27.3±0.6)VDC	(54.6±0.6)VDC	(81.9±0.6)VDC	(163.8±1%)VDC	(218.4±1%)VDC
<b>Transfer time</b>						
AC to DC		Zero				
Inverter to bypass		5ms(Typical)				
<b>Indicator</b>						
Status(LED)		Load Level / Battery Level / Battery Mode / AC Mode / Bypass Mode / Fault				
Status(LCD)		Load Level / Battery Level / Input / Output / Operating Mode Information				
<b>Audible alarm</b>						
Battery mode		Sounding every 4 seconds				
Low battery		Sounding every second				
Overload		Sounding twice every second				
Fault		Continuously sounding				
<b>Physical</b>						
Dimension, D*W*H (mm)		345 * 144 * 220	369 * 190 * 318	369 * 190 * 318	509 * 200 * 735	509 * 200 * 735
Net weight (kgs)		9.8	20	24.6	61	70
<b>Environment</b>						
Operating environment		0~40°C, 20~90% relative humidity (non-condensing)				
Noise level		< 45dB @ 1 Meter			< 55dB @ 1 Meter	
<b>Interface</b>						
Smart RS-232		Support WinPower software				
SNMP (option)		Power management from SNMP manager and web browser				
<b>Accessories</b>						
		IEC output cable x1 (for PM 1000E-3000E Online LCD only),RS-232 cable x1,application CD,user guide				