

PowerMust 6048/10800 Online LCD X

Specification

MODEL		PM 6048 Online LCD X	PM 6048 (L) Online LCD X	PM 10800 Online LCD X	PM 10800 (L) Online LCD X
PHASE		1 phase in / 1 phase out			
CAPACITY		6000 VA / 4800 W		10000 VA / 8000 W	
INPUT					
Nominal Voltage		208/220/230/240VAC			
Voltage Range	Low Line Loss	110 VAC ± 3% at 50% Load 176 VAC ± 3% at 100% Load			
	Low Line Comeback	120 VAC ± 3% at 50% Load 186 VAC ± 3% at 100% Load			
	High Line Loss	300 VAC ± 3%			
	High Line Comeback	290 VAC ± 3%			
Frequency Range		46 Hz ~ 54 Hz or 56 Hz ~ 64 Hz			
Power Factor		≥ 0.99 @ 100% load			
OUTPUT					
Nominal Voltage		208/220/230/240VAC			
AC Voltage Regulation		± 1%			
Frequency Range (Synchronized Range)		46 Hz ~ 54 Hz or 56 Hz ~ 64 Hz			
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
Current Crest Ratio		3:1 (max.)			
Harmonic Distortion		≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)	≤ 3 % THD (Linear Load) ≤ 7 % THD (Non-linear Load)	≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)	≤ 3 % THD (Linear Load) ≤ 7 % THD (Non-linear Load)
Transfer Time	Bypass to Inverter (Line mode)	Zero			
	Inverter to Bypass (Line mode)	Zero			
Waveform (Batt. Mode)		Pure Sinewave			
EFFICIENCY					
Line Mode		89%	84%	90%	84%
Battery Mode		88%	83%	89%	83%
BATTERY					
Standard Model	Battery Type	12 V / 9 AH	N/A	12 V / 9 AH	N/A
	Numbers	16		20 (16-20 adjustable)**	
	Typical Recharge Time	9 hours recover to 90% capacity		9 hours recover to 90% capacity	
	Charging Current	Default:1.0 A ± 10%, Max.:2.0A ± 10%		Default:1.0 A ± 10%, Max.:2.0A ± 10%	
	Float Charging Voltage	218.4 VDC ± 1%		273 VDC ± 1% (based on 20 pcs batteries)	
	Back up time (half load)	31 minutes		20 minutes	
Back up time (full load)	7 minutes	4,3 minutes			
Long-run Model	Battery Type	Depending on applications			
	Numbers	16-20** (adjustable)			
	Charging Current	Default:4.0 A ± 10%, Max.:6.0A ± 10%		Default:4.0 A ± 10%, Max.:6.0A ± 10%	
	Float Charging Voltage	273 VDC ± 1% (based on 20 pcs batteries)			
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		Sounding every second			
Overload		Sounding twice every second			
Fault		Continuously sounding			
PHYSICAL					
Standard Model	Dimension, D X W X H (mm)	369 x 190 x 688	N/A	442 x 190 x 688	N/A
	Net Weight (kgs)	60		75	
Long-run Model	Dimension, D X W X H (mm)	369 x 190 x 318	369 x 190 x 630	442 x 190 x 318	442 x 190 x 630
	Net Weight (kgs)	21	72	23	82
ENVIRONMENT					
Operation Humidity		0-95 % RH @ 0- 40°C (non-condensing)			
Noise Level		Less than 55dBA @ 1 Meter		Less than 58dBA @ 1 Meter	
MANAGEMENT					
Smart RS-232/USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC			
Optional SNMP		Power management from SNMP manager and web browser			

*Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC.

**When using internal batteries from 16-19, the unit will de-rate according to below formula: $P = P_{rating} \times N/20$

***If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.