PANTEK
INDUSTRIES

Online UPS 1Phase Out

PTK SERIES M
1 KVA TO 3KVA

Application:
Server and other networking equipments

MODEL:
PTK1103M8

UPS

On-Line UPS

Features:

- High frequency and double conversion on-line technology
- Fully digitalized microprocessor control
- Wide input voltage range
- Highly Efficient upto 90%
- High input power factor >0.99
- LCD display
- Cold start
- IGBT both Inverter & Rectifier stage
- Advanced battery management
- Automatic battery charge in UPS OFF mode
- Short circuit & overload protection
- EMI/RFI noise filter
- Smart RS232 communications with monitoring software
- Optional SNMP Card slot
- High reliability digital control
- Full protection function

Control Panel

1. LCD
2. ON/OFF Button
3. Self-test/Silence Button
4. Scroll Button
5. Normal
6. Alarm
7. Abnormal

LCD+LED display.

Technical Specifications

MODEL	PTKM1103M8
Capacity (VA/Watts)	3000/2400
INPUT	
Operating voltage range	110~300 Vac
Operating frequency range	46~54Hz±0.5Hz or 56~64Hz±0.5Hz (auto sensing)
Power factor	≥0.99
OUTPUT	
Output voltage	220/230 Vac ± 1%
Output frequency	Synchronized with the utility on AC mode; 50Hz/60Hz±0.2% on Battery mode
Output voltage THD	<2% (linear load), <5% (Non Linear Load)
Crest Factor	3:1 (max)
Efficiency	≥88%
BATTERY	
DC Voltage	96Vdc
Battery type & Number	SMF BATTERIES RECOMMENDED
Charge Current	UPTO 25A
Typical recharge time	8 Hours (to 90% of full capacity)
SYSTEM FEATURES	
LCD indication	1. Input voltage/frequency, battery voltage, output voltage/frequency, load watt/VA and percent, inverter temperature
	2. Operation mode such as "on line", "on batt", or "or bypass"
LED indication	1. Green LED for normal operation
	2. Yellow LED for warning condition
	3. Red LED for abnormal operation
Overload capacity	1. >110%, 30s turn to bypass mode
	2. >150%, 300ms turn to bypass mode
Transfer time	Between AC mode and Battery Mode : 0ms
	Between AC mode and Bypass Mode : 4ms (typical value 2.5ms)
Communication interface	RS232; SNMP (optional)
ENVIRONMENTAL	
Operating temperature	0~40°C
Storage Temperature	-25~55°C
Humidity Range	0%~95% (non-condensing)
Altitude	<1500m
Noise Level	<45dB
PHYSICAL	
Net/Shipping Weight (Kg)	14/16
Dimension WxDxH (mm)	144x419x215
Packing WxDxH (mm)	258x524x334
STANDARDS	
Safety	IEC/EN62040-1; IEC/EN60950-1
EMC	IEC/EN62040-2; IEC61000-4-2; IEC61000-4-3; IEC61000-4-4; IEC61000-4-5; IEC61000-4-6; IEC61000-4-8