



OmniPower UPS

The next Generation

ECO operation mode with highly efficient energy-saving, minimising energy costs

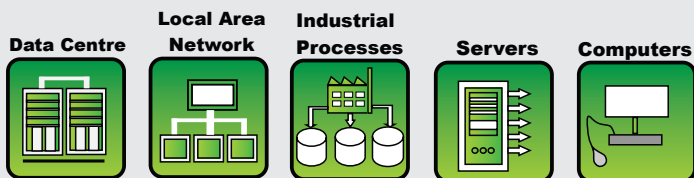


1,2,3,6 and 10 KVA (1Ph in /1Ph out)

Reliable, Solid and Comprehensive Power Protection with Back-up Solution

The OPT UPS series employs proven double conversion online technology ideal for resolving all mains power supply issues. This state-of-the-art solution is especially designed for eliminating: loss of power, extra high or low voltage utility power, voltage dips/sags or damped oscillation, high-voltage spikes, voltage fluctuation, surge voltage, harmonic distortion, frequency fluctuation and noise immunity etc., delivering safe and reliable power 24 hours a day, enabling the perfect function of the user's critical load.

Available in standard back-up time with internal Batteries from 5 -10 min and the EB version with external Batteries for extended back-up to several Hours



Best Price - Performance Ratio



Key Features

- Cutting edge DSP (Digital Signal Processor) technology can greatly improve the product's Performance and system reliability and deliver a compact integration with improved power density;
- Output power factor up to 0.8 – applicable to the tendency of future load evolution and deliver higher payload capacity;
- Higher payload and overload capability, better load compatibility and suitable for various load types;
- Total power factor up to 90% can minimise the power loss of UPS and utilisation cost for the user;
- Active power factor correction (PFC) technology allows an input power factor approaching unity;
- Wider range of input voltage tailored for South African grid can be suitable to most severe environments;
- Emergency power off (EPO): UPS can be instantly shut off in case of an emergency;
- Exceptional interference immunity capability in compliance with EMC requirements of IEC61000-4;
- Your UPS will deliver a very clean electrical

Intelligent Battery Manager

- With its advanced intelligent charge control mode, your UPS can automatically select the optimal charge mode as per the battery type and conditions, thus further maximising the lifespan of battery bank;
- In addition, the system can periodically conduct a charge & discharge cycle to test the battery bank;
- User also can select (On some Models) the battery voltage (192V or 240V) on demand;
- The user can query and set the proper UPS control parameters for intelligent UPS management, automatically identify and adapt to 50/60Hz power supply system, fulfilling the requirements in various power supply systems;
- Perfect failure protection and alarm function: provide complete failure protection and clear alarm notification function in case if I/O over-voltage or under-voltage, battery over-charge or under-voltage, overload and short circuit.

Compact Design

- With leading control technology and craftsmanship, this UPS can greatly increase the power density and reduce the footprint therefore saving more expensive space in your office environment.

Communication and Monitoring Features

- Provide RS232 USB interface and communication cable for local or remote power supply management;
- Provide intelligent slot available to Omnipower's Web Power (SNMP), CMC or AS400 card (dry contact) for remote management and monitoring function. (Optional)

User-friendly Interface

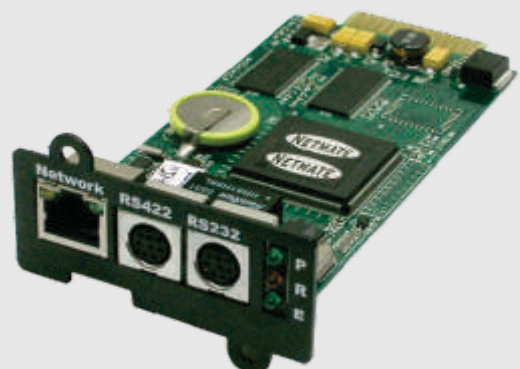
- LCD display accurate UPS working environment and working status to the user, through the LCD display panel can adjust output voltage and frequency at the same time you can set ECO mode, convenient for user to operate the UPS.

Intelligent Power monitoring and Management Software WinPower 2008

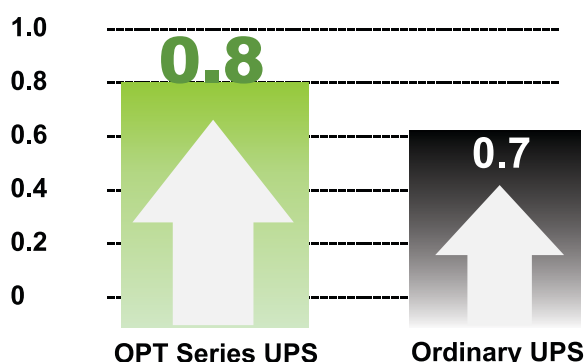
- Supports Microsoft Windows95/Me/NT/2000/2003/2008/2012/XP/Vista/7/8 operating system. Suitable for TCP/IP local area network;
- Supports TCP/IP network monitoring, provides a hierarchical directory structure management network, unusual event can be notified to user through broadcast, e-mail, messenger call or mobile messenger, automatically detects the UPS model and communication port, provides password protection;
- Supports timing boot up/shut off UPS function;
- Supports timing UPS self-test function;
- Supports graphically displayed UPS status function in real time;
- Supports network to de-activate the function of multiple servers and workstations;
- Supports Smart Event function so that the user can define according to their needs;
- Accepts abnormal power;
- Support shuts off most of the applications;
- Supports simplified English platform;
- Supports online help function, with data records (including mains, UPS, load, battery) and event function, to make it convenient for the system administrator for routine maintenance.

Free Monitoring and shut-down Software

Optional SNMP Card



Power Factor



Model : OPT 1101T / EB 1 KVA 1/1



- 3 x Kettle Output Sockets
- 1 x Data protection Input / Output
- 1 x DB9
- 1 x USB
- 1 x Resettable Input Fuse 10A
- 1 x External Battery Connector
- 1 x Mains input cord with 15A Plug
- 1 x External Earth Screw

Model : OPT 1102T / EB 2 KVA 1/1



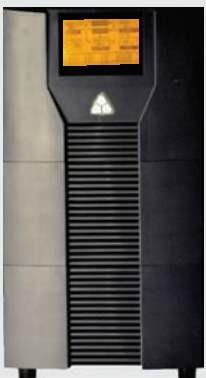
- 4 x Kettle Output Sockets
- 1 x Data protection Input / Output
- 1 x DB9
- 1 x USB
- 1 x Resettable Input Fuse 16A
- 1 x External Battery Connector
- 1 x Mains input cord with 15A Plug
- 1 x Mains Input Covert Screw Terminals
- 1 x External Earth Screw

Model : OPT 1103T / EB 3 KVA 1/1



- 4 x Kettle Output Sockets
- 1 x Data protection Input / Output
- 1 x DB9
- 1 x USB
- 1 x Resettable Input Fuse 16A
- 1 x External Battery Connector
- 1 x Mains input cord with 15A Plug
- 1 x Mains Input Covert Screw Terminals
- 1 x External Earth Screw

Model : OPT 1106T / EB 6 KVA 1/1



- 1 x Covered Input Terminal Block,
- 1 x Covered Output Terminal Block
- 1 x Covered Battery connection Block
- 1 x DB9 Port
- 1 x USB Port
- 1 x Alarm Connector
- 1 x Resettable Input CB 50A
- 1 x Intelligent Slot for optional SNMP Card

Model : OPT 1110T / EB 10 KVA 1/1



- 1 x Covered Input Terminal Block,
- 1 x Covered Output Terminal Block
- 1 x Covert Battery connection Block
- 1 x DB9 Port
- 1 x USB Port
- 1 x Alarm Connector
- 1 x Resettable Input CB 50A
- 1 x Intelligent Slot for optional SNMP Card

OPT series Technical Specifications

1 / 1

1 / 1		OPT Series 1 - 10 KVA 1/1									
Model: OPT		1101T	1101TEB	1102T	1102TEB	1103T	1103TEB	1106T	1106TEB	1110T	1110TEB
Capacity :		1 KVA / 800W		2 KVA / 1600W		3 KVA / 2400W		6 KVA / 4800W		10 KVA / 8000W	
Nominal Voltage :		220/230/240VAC Single phase 2 wire & Earth									
Nominal Frequency		50/60 Hz									
Input											
Voltage Range		115 - 300VAC						120 - 275VAC			
Frequency Range		50Hz: (46 ~ 54Hz) 60Hz: (56Hz ~ 64Hz)									
Power Factor		>0.98						0.99			
Output											
Voltage Tolerance		220/230/240 x (1 +- 2%)VAC									
Freq. Tolerance		50/60Hz +- 0.05Hz									
Power Factor		0.8									
Harmonic Dist.		Linear Load<3% Non Linear<6% Load > 110% for 47sec. Load > 150% for 25Sec. Load > 200% for 30mSec.						105% < load <125% for 60s 125% < load <150% for 30s Load> 150% for 0.5s			
Overload Capacity											
Crest Factor		3 : 1									
Transfer Time		(AC Mode to By-Pass <4ms)									
Battery											
DC Voltage		36VDC		72VDC		96VDC		192 or 240VDC			
Recharge time		6 hours to 90% (valid only for standard Model with internal batteries)									
Charging Current		1A	4A/8A Optional	1A	4A/8A Optional	1A	4A/8A Optional	2A	4A	2A	4A
Panel Display											
LCD		UPS status, input/output voltage and frequency, battery voltage, capacity, temperature, history records, adjust voltage in ECO mode.									
Communication											
Communication Port		RS 232, SNMP Card (Optional), USB port (optional)									
Environment											
Temperature		0 C- 40 C									
Relative Humidity		0 ~ 95% (Non-Condensing)									
Storage Temperature		-25 C ~ +55 C									
Elevation		Up to 1500m									
Noise Level in dB		< 45dB				< 50dB			< 50dB		
Physical Characteristic											
Weight	N.W.	12	6.5	23	10.5	31.5	14	57	18	67.5	20
(Kg)	G.W.	14	8	25.5	13	33.5	16.5	59	24	70	24
Dimensions(WxDxH)		145x355x220		190x383x318		190x433x318		248x500x616	248x500x460	248x500x616	248x500x460

STANDARD: Conforms to GB / IEC regulation: EMC: GB7260.0 / IEC62040-2 / GB / 17626~5 / Safety:

NOTE: Product specifications are subject to change without prior notice!

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