

MPOWER UPS



DSP MULTIPOWER TOWER SERIES

t. 01420 82031  
e. sales@mpowerups.co.uk  
w. www.mpowerups.co.uk

**10 years of uninterruptible power**

# DSP MULTIPOWER TOWER SERIES

**Supports electronic equipment in offices, telecommunications, datacenters, industry, medical and security applications. 3Phase in / 1Phase out - 15kVA & 20kVA**

- On-Line Double Conversion Technology
- Real Digital Signal Processor (DSP) Controller
- Parallel redundant operation up to 4 units
- Increased Input Power Factor (0.95)
- Transformerless Design
- Cold Start Function
- Overload, Overheat & Short Circuit Protection
- User Friendly Multi-Functional LED/LCD Display Panel
- Energy Saving Mode (GREEN MODE)
- Intelligent Battery Management System
- RS232 Communication Port & Management Software
- SNMP, Relay Contact, RS485 and USB card options

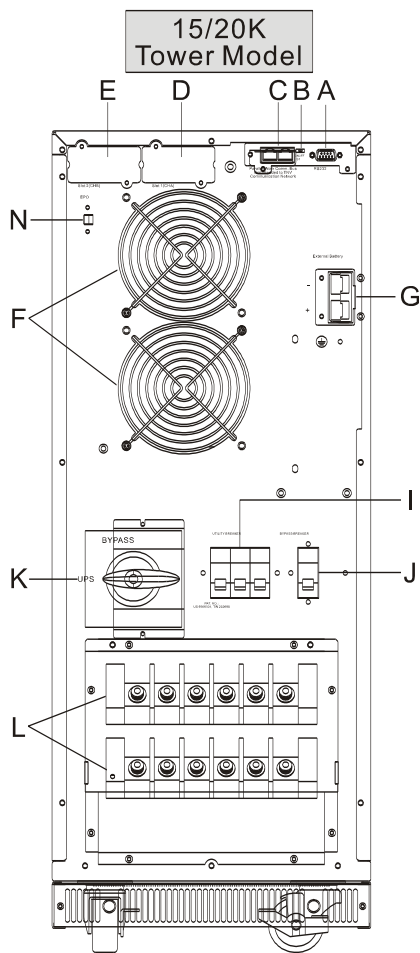


Designed and built to protect your electronic equipment from power fluctuations, this UPS is your insurance for a reliable, clean and stable voltage supply.

Its true online architecture continuously supplies your critical device with a stable, regulated, transient-free pure sine wave AC Power. The high crest factor of the inverter handles all high-inrush current loads without a need to upgrade the power rating.

The multi-functional LCD/LED panel displays various readings including voltage, load status, inner cabinet temperature and fault codes. Fully programmable from the display, the UPS has ECO and Normal modes making it suitable for a wide variety of applications.

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## Details

- A** RS232 Port
- B** Terminal Resistor for Parallel function
- C** CAN Bus Connection Port for Parallel System
- D** Customer Options Slot 1
- E** Customer Options Slot 2
- F** Cooling Fan
- G** External Battery Connector
- I** Utility Input Breaker CB1
- J** Bypass Input Breaker CB2 ( for Dual Input Model Only )
- K** CAM Switch ( Maintenance Bypass Switch )
- L** Input/Output Terminal Block
- N** EPO Emergency Power Off
- P** Air Ventilation Hole

## Communication

The RS232 port, standard on the UPS, allows for remote monitoring of the UPS using the bundled software. Further optional interface cards allow you to monitor the UPS as needed for your application.

## Optional Accessories

- Internal SNMP
- External SNMP
- Dry Contact Board
- External Manual Bypass
- External Battery Cabinet
- External Additional Charging Board

## Specification

MODEL	DSPMP-3115T	DSPMP-3120T
Power (kVA)	15	20
Power (kW)	13.5	18
<b>INPUT</b>		
Phase Configuration	3Ph + N + PE (Hardwire)	
Nominal Voltage	380VAC/400VAC /415VAC	
Minimum Voltage ( at 75% Load )	277VAC	
Maximum Voltage	485VAC	
Frequency	45-65 Hz	
Power Factor (@linear load )	0.95	
<b>OUTPUT</b>		
Power Factor	0.9	
Phase Configuration	1Ph + N + PE (Hardwire)	
Nominal Voltage	220VAC/230VAC/240VAC	
Wave Form	Pure Sine Wave	
Total Harmonic Distortion at 0 to 100% linear load	<3%	
Frequency	50Hz or 60Hz (adjustable)	
Frequency Tolerance (free running)	±0.2%	
Frequency Synchronized Range	±1Hz or ±3Hz ( selectable )	
Voltage Regulation	±2%	
Crest Factor	3	
Transfer Time	0sec	
Total Efficiency	> 91%	
Greenmode Efficiency	> 95%	
<b>BATTERY</b>		
Type	Maintenance-free lead acid batteries	
Voltage	240VDC	
Quantity per string	20pcs 12V Batteries	
Built in max. Charge Current	4A	
<b>DISPLAY</b>		
LED + LCD Display	Line Mode, Backup Mode, ECO Mode, Bypass Supply, Battery Low, Battery Fail/Disconnected, Overload, Transferring with Interruption and UPS Fault	
LCD display	Input Voltage, Input Frequency, Output Voltage, Output Current, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature.	
Self Diagnostics	Power on self test and continuous self diagnostics	
Audible and Visual Alarms	Line Failure, Battery Low, Transfer to Bypass, System Fault	
<b>COMMUNICATION</b>		
Interface (Communication ports)	Standard RS232 port and optional RS485, Internal SNMP, Volt Free Relay Cards	
Monitoring and Management Software	Supplied as standard	
<b>ENVIRONMENT</b>		
Operating Temperature	0 °C - 40 °C	
Proposed Temp. to extend battery life	20 - 25 °C	
Humidity	up to 90% (non-condensing)	
Audible Noise at 1 m	<60 dB	
Protection Class	IP 20	
<b>PHYSICAL SPECIFICATIONS</b>		
Net Weight	60kg	62kg
Dimensions(mm) (HxWxD)	290x650x770	
<b>STANDARDS</b>		
Standards	EN62040-1-1 (Safety); EN62040-2 (EMC); EN62040-3 (Performance); EN60950-1	
<b>ACCESSORIES</b>		
Optional	Internal&External SNMP, Relay Contact Board, External Manual Bypass, External Battery Connection Cable, External Additional Charging Board	