

## DSP Multipower

3 Phase In - 1 Phase Out / 15kVA – 20kVA

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



### TECHNICAL SPECIFICATIONS

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 Bad/Disconnect, Overload and Transferring with Interruption & UPS Fault	
LCD display	Input Voltage, Input Frequency, Output Voltage, Output Current, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature.	
Self Diagnostics	Upon Power-on, Front Panel Setting & Software Control, 24-hour routine checking	
Audible and Visual Alarms	Line Failure, Battery Low, Transfer to Bypass, System Fault Conditions	
<b>COMMUNICATION</b>		
Interface (Communication ports)	Standard RS232 port and optional RS485, Internal SNMP, Dry Contact Cards	
<b>ENVIRONMENT</b>		
Operating Temperature	0 °C - 40 °C	
Proposed Temp. to extend battery life	20 - 25 °C	
Humidity	0 - 95% (non-condensing)	
Audible Noise at 1 m	<60 dB	
Protection Class	IP 20	
<b>PHYSICAL SPECIFICATIONS</b>		
Net Weight	60kg	62kg
Dimensions (mm) (WxDxH)	290x650x770	
<b>STANDARDS</b>		
Standards	EN62040-1-1 (Safety); EN62040-2 (EMC); EN62040-3 (Performance); EN60950-1	
<b>ACCESSORIES</b>		
Optional	Internal&External SNMP, Dry Contact Board, External Manual Bypass, External Battery Connection Cable, External Additional Charging Board Software	