

DSP Multipower Series

Online Double Conversion Technology
3Phase in / 1Phase out – 15kVA & 20kVA

- ▶ On-Line Double Conversion Technology
- ▶ Real Digital Signal Processor (DSP) Controller
- ▶ Parallel redundant operation up to 4 units (Optional)
- ▶ Increased Input Power Factor (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



DSP Multipower Series Technical Specifications

MODEL	DSPMP-3115T	DSPMP-3120T
Power (kVA)	15	20
Power (kW)	13,5	18
INPUT		
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	
OUTPUT		
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%	
BATTERY		
Type	Maintenance-free lead acid batteries	
Voltage	240VDC	
Quantity per string	20pcs 12V Batteries	
Built in max. Charge Current	4A	
DISPLAY		
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	
COMMUNICATION		
Interface (Communication ports)	Standard RS232 port and optional RS485, Internal SNMP, Dry Contact Cards	
ENVIRONMENT		
Operating Temperature	0 °C - 40 °C	
Proposed Temp. to extend battery life	20 - 25 °C	
Humidity	up to 95% (non-condensing)	
Audible Noise at 1 m	<60 dB	
Protection Class	IP 20	
PHYSICAL SPECIFICATIONS		
Net Weight	60kg	62kg
Dimensions (mm) (WxDxH)	290x650x770	
STANDARDS		
Standards	EN62040-1-1 (Safety); EN62040-2 (EMC); EN62040-3 (Performance); EN60950-1	
ACCESORIES		
Optional	Internal&External SNMP, Dry Contact Board, External Manual Bypass, External Battery Connection Cable, External Additional Charging Board Software, Parallel Kit	