

DELTA premium

UNINTERRUPTIBLE POWER SUPPLY

3- 20 kVA

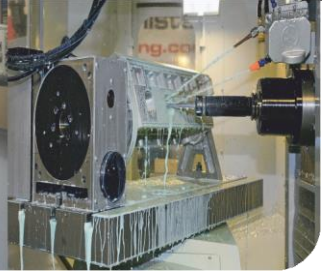


On-line

1 Phase Input

1 Phase Output

- High efficiency (96%) with IGBT rectifier and 3L Inverter
- High efficiency operation with Eco mode (98%)
- Active input current harmonics correction (THDI <4%)
- Low output voltage THD (<2%)
- Smart charger can increase battery life by 40%
- Parallel operation
- Temperature compensated battery charging system
- Generator-compatible operation, external by-pass feature (Optional)
- Easily synchronized with external sources
- Output Isolation Transformer (Optional)
- pf: 1 (Optional)
- Rack type (Optional)



Technical Specifications

Model (1 Phase / 1 Phase)	2 kVA	3 kVA	6 kVA	10 kVA	15 kVA	20 kVA
Nominal Active Power (Watt)	1800W	2700W	5400W	9000W	13500W	18000W
RECTIFIER INPUT						
Nominal Voltage	220-230-240 V (P-N)					
Input Voltage Range (VAC) (at 50% Load)	Min % -35 /Max % +25					
Input Voltage Range (VAC) (at full Load, with battery)	Min % -18 /Max % +18					
Frequency	50 Hz ± % 5					
Input Current Distortion Rate	< % 5					
Power Factor	≥ 0,99					
BY-PASS						
Nominal Voltage	220-230-240 V (p-n)					
Voltage Tolerance	± % 10					
Frequency Tolerance (Hz)	± % 10					
Transfer Time (ms)	< 0.001					
OUTPUT						
Nominal Voltage (VAC) (Ph-N)	220-230-240 V (P-N) selectable					
Power Factor	0,9					
Efficiency	upto % 96					
Wave Form	Sinusoidal					
Frequency (Hz)	50 or 60 Hz (Adjustable)					
Frequency Tolerance (Battery Operation)	0.01%					
Voltage Regulation (Static)	±1%					
Output Voltage Change at unbalance load	< % 5					
Maximum phase angle variation	< 0.1°					
Crest Factor	3:1					
Overload Protection (sec)	%100-%125 60 sec / %126-%149 10 sec					
Total Harmonic Distortion	Linear load< %3 / NonLinear Load < %5					
BATTERY AND PROTECTION						
Battery Type	VRLA					
Battery String (Blocks)	4	6	16-20	16-20	20-30	
Protections	Overload Protection, High Temperature, Input Over Voltage, Input & Output Over Current, Back-Feed Protection, Intelligent Charging Algorithm – Deep Charge Protection – Battery Test (Automatic/ Manual), Short Circuit Protection					
COMMUNICATION						
Standard Interface	RS232, EPO, External cabinet temperature					
Options	Modbus - 4 Programmable Relay-Contacts - SNMP					
ENVIRONMENT						
Operating Temperature Range (°C)	0 - 40 °C					
Battery Temperature Range (°C)	20 - 25 °C (Recommended For Longer Battery Life)					
Maximum Altitude without Derating (m)	1000					
Relative Humidity Range	% 20-95 (Non-Condensing)					
Acoustic Noise (dBA)	< 55 (1 m)					
PHYSICAL						
Dimensions (HxWxD) mm	426X192X350	426X192X350	670X260X600	770X260X670		
Weight without batteries (kg)	14 Kg	25 Kg	25 Kg	30 Kg	38 Kg	42 Kg
Color	RAL 9005 Texture					
STANDARDS						
Safety	IEC/EN 62040-1					
EMC	IEC/EN 62040-2					
Performance	IEC/EN 62040-3					
Design	IEC/EN 62040 / ISO 9001:2008 - ISO 14001:2004					
Safety	IP 20 (others optional)					

**The manufacturer reserves the right to change the Technical Specifications and design without notice.