

INVERTER SPECIFICATIONS	
Default Battery System Voltage	48VDC
INVERTER INPUT	
Rated Power	2100W
Surge Rating (20ms)	6300W
Wave Form	Pure Sine Wave
Rated Output Voltage	Inverter:230VAC(±2-5% RMS), AVR: 195-245VAC
Output Frequency	50Hz/60Hz±0.2Hz
Inverter Efficiency (Peak)	>83%
Line Mode/ Bypass Efficiency	>95%
Output Transfer Time	Typical 6 ms , 10 ms max
AC INPUT	
Voltage	220/230/240VAC
Selectable Voltage Range - Narrow	140-280VAC±5%
Low Battery Alarm	140VAC±5%
High Battery Alarm	280VAC±5%
Low Frequency Alarm	45±0.2Hz
High Frequency Alarm	65±0.2Hz
Nominal Input Range	50Hz/60Hz±0.2Hz
AC Auto Restart	YES
BATTERY	
Compatibility type	Lead Acid / AGM / GEL
Minimum Start Voltage	Low Battery Voltage Cut-off+0.5V
Low Battery Alarm	Low Battery Voltage Cut-off+0.5V
Low Battery Cut-off	42.0-44.0VDC
High Voltage Alarm/Cut-off	Nominal Voltage+1.0V
AC CHARGER / CHARGER	
Floating Voltage	54.0/54.4/54.8VDC
Nominal Voltage	56.0/56.8/57.6VDC
Maximum Charge Current (W)	3000W
Maximum Charge Current (A)	18A
BYPASS & PROTECTION	
Nominal Input Frequency	50Hz or 60 Hz
Low Frequency Trip	45±0.2Hz
Overload Protection (SMPS Load)	110%-125% R Load fault after 30s/125%-150% R Load fault after 3s/>150% R Load fault after 500ms
Over Temperature Protection	>90°C
Bypass Output Protection	10A250VAC
Battery Reverse Protection	Optional
Batt. Low/High Voltage Protection	YES
Bypass Breaker Rating	10A
Max Bypass Current	10A
MECHANICAL SPECIFICATIONS	
Dimensions (W*H*D)	375*192*340mm
Net Weight	1000W/14.3
Shipping Dimensions (W*H*D)	525*335*485mm
Shipping Weight (KG)	2100W/15.5
OTHER	
Operation Temperature Range	0°C to 40°C, 0-90°C relative humidity (non-condensing)
Storage Temperature Range	- 15°C to 55°C
Altitude	<1000m
Cooling Mode	Fan Cooling
Fan Starting	>45°C starting, < 30°C closing
Audible noise	<60Db max
Display	LED+LCD
Communication	RS232/USB
Standard Warranty	1 Year
OPTIONAL EXTRAS	
Steel battery enclose (black)	Available at supplier



### FEATURES:

- Pure sine wave output
- Smart LCD setting (frequency, charge voltage, charge current, etc).
- 3 steps charging algorithm
- Built in AVR function
- Overload and short-circuit protection
- Deep discharge protection
- Cold start function
- Support USB, RS232 (Optional) monitoring function with free CD