

5000VA INVERTER SPECIFICATIONS



PREMIUM FEATURES

Unmatched Power

- 5000VA/4000W of clean, stable power
- Pure sine wave output (16 BIT DSP control)
- 0.8 Power Factor
- Perfect for homes and offices

Battery Management

- LFP battery compatible (73.6V nominal)
- Extended battery life
- Low battery indication at 69V
- Low battery shutdown at 64.4V

Smart Protection

- Advanced overload protection (100%-175% with timed responses)
- Automatic voltage regulation (110VAC-280VAC input range)
- Built-in short circuit protection (FUSE/Software)
- Battery surge overvoltage protection
- Quick response to system errors

User-Friendly Design

- Easy-to-read LCD display showing:
 - Battery voltage
 - Mains voltage
 - Inverter voltage
 - Load percentage
 - Charging current
 - Warning indicators
- Efficient cooling system (Heatsink/Cooling fan)
- Quick transfer time (<15ms)
- 1 Phase output at 220V/50Hz

HEAD OFFICE:

Admiral Energy
8 - The Green, Dover, DE 19901

REGIONAL HEAD OFFICE:

Admiral Energy
4105 Platinum Tower, Cluster I, Jumeirah Lake
Towers, Dubai, UAE.

MODEL		5000VA Inverter	
Nominal Voltage(V)		73.6V	
Capacity in VA		5000VA	
Capacity in watts		4000W	
Power Factor		0.8 PF	
INVERTER PARAMETERS			
Control		16 BIT DSP	
Waveform Type		Pure sine wave	
AC Input Range (Wide Mode)		110VAC-280VAC	
Nominal O/P Frequency		50Hz	
Nominal O/P Voltage *		220V	
Output Supply Phase		1 Phase	
Overload		at 90% load	
Typical Transfer Time (Narrow)		<15ms	
Overload at Lower Voltage for 2 Min		100% -125%	
Overload at Lower Voltage for 30 Sec		125% - 150%	
Overload at Lower Voltage for 15 Sec		150% - 175%	
Overload at Lower Voltage for 5 Sec		Above 175%	
Transformer Coil		Copper	
BATTERY		LFP Compatible	
PROTECTIONS			
Low Battery Indication *		69V	
Low Battery Shut down *		64.4V	
Output Short Circuit		FUSE/Software	
Battery Surge Over voltage		Protected	
SPECIAL FEATURE			
S-BR Technology Inside			
LCD PARAMETERS			
Battery Voltage, Mains Voltage, Inverter Voltage, Load(in percentage)Mains Charging Current (A), Battery Low Warning, Over load warning.			
OTHERS			
Load transfer switch		RELAY	
Display/Indications		LCD/LED	
Thermal Management		Heatsink/Cooling fan	

***PARAMETER VALUES CAN BE CUSTOMISED**

OTHER FEATURES:

Quick response to system errors such as Overload, Heavy load, Surge load, Short circuit, High temperature, Battery low, Battery high etc.