

SOLAR INVERTER (S SERIES): 6000VA



PREMIUM FEATURES

Unmatched Power

- 6000VA/4800W of clean, stable power
- Pure sine wave output (220-240 VAC)
- MOSFET switching technology
- Perfect for homes and offices

Solar & Battery Management

- MPPT solar charge controller (50A capacity)
- Maximum solar power input: 8000Wp/400VOC
- 121.6V LFP battery compatible
- Solar priority charging
- Mains disconnect at full charge
- Mains reconnect at 121.6V

Smart Protection

- Advanced overload protection with timed responses
 - 100% to 125% - System trip in 2 Minutes
 - 125% to 150% - System trip in 30 Seconds
 - 150% to 175% - System trip in 10 Seconds
- Lightning/surge protection up to 10KV
- Thermal shutdown protection (below 0°C and above 90°C)
- Battery reverse protection with fuse
- Solar reverse protection with blocking diode

User-Friendly Design

- Easy-to-read LCD display showing:
 - Battery voltage, Mains voltage, Inverter voltage
 - Load percentage, Charging current
 - Battery low warning, Overload warning
- Efficient cooling system (Heat sink/Cooling fan)
- Quick transfer time (12ms)
- Password protection with 3 different levels
- Compact design (approx. 25 kg)



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	T-S6000
Capacity VA/WATTS	6000VA/50000W
PHOTOVOLTAIC	
Maximum Solar Input(VOC)	240 VDC
Maximum PV Power	5000 Wpk
Maximum MPPT Output Current	40 Amp
Mains Disconnect Volt *	82 V
Mains Re-connect Volt *	74.75 V
INVERTER PARAMETERS	
Switching Element	MOSFET
Control	16 Bit DSP
Waveform Type	Pure Sinewave
Nominal O/P Frequency	50Hz
Nominal O/P Voltage *	220VAC
Output Supply Phase	1 Phase
Overload	at 90% load
Nominal O/P Current	21.8A
Typical Transfer Time	12ms
Overload Inverter cutoff in 2 Min	100% -125%
Overload Inverter cutoff in 30 Sec	125% - 150%
Overload Inverter cutoff in 15 Sec	150% - 175%
Overload Inverter cutoff in 5 Sec	Above 175%
BATTERY	
Nominal Voltage	73.6VDC
Charging Mechanism	CCCV
PROTECTIONS	
Low Battery Indication *	69VDC
Low Battery Shut down *	65.4VDC
Output Short Circuit	FUSE/Software
Battery Short Circuit	FUSE
Battery Surge Overvoltage	Protected
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	Heat sink/Cooling fan
Weight Approx	53 kg

*PARAMETER VALUES CAN BE CUSTOMISED

OTHER FEATURES:

Alteration of system parameters are restricted using Password . Three different Passwords for Manufacturer,Dealer and Customer Quick response to system errors such as Overload,Heavy load,Surgeload,Short circuit,High temperature,Battery low, Battery high etc..