

Solar Power Box

Model	SPG 3000
Capacity	3750VA
Max Load Capacity In Watts	3000W
Input	
Input Voltage	120 V - 270 V
Nominal Input Battery Voltage	51.2V
Output	
Output Voltage (Mains Mode)	Same as input
Output Voltage (INV Mode)	230V±5%
Output Frequency (INV Mode)	50Hz
Output Waveform (Mains Mode)	Same as input
Output Waveform (INV Mode)	Pure Sine Wave
Battery	
Battery Range	51.2V/102Ah
Battery Type	Lifepo4 (Inbuild)
Charging Current Mains	Constant Charging Approx. 10% of the Rated Battery Current in Ah
Backup Time	3 Hrs for 50% Load
Solar Specifications	
Solar Charger Type	MPPT
Maximum PV Panel Support	160V/3000W
Max. Solar Panel Current	60 Amps
Protections	
Battery Protection	Battery Management System (BMS)
Output Overload Protection	120%
Output Short Circuit Protection	300%
Battery Higher Cut-off Voltage (Adjustable)	58V ₋
Battery Lower Cut-off Voltage (Adjustable)	44V ₋
System Overload / Short Circuits Protections	Available
Reverse Panel Protection	Available
Thermal Protection	Both in Grid Charging & Backup Mode
DC Input Volt. High Cut Protection/Recover	Available
Mains Re-Connect Voltage	54V + 0.3 V DC
Mains Dis-Connect Voltage	58V + 0.3 V DC
Operating Temperature	0°-63°C
Salient Features	
Modes of operations	INV/Solar INV
Cooling fan	Used to cool all the electrical components and heat sinks effectively lowering the temperature and avoiding any hot spots.
Caster Wheel	It helps to move the power box from one place to another place
Installation process	No need a technical person to install this solar power box.
Maintenance	Zero maintenance.
Why choose Turnon Solar Power Box?	Longer life span. Extremely safe. Lightweight improved discharge and charge High efficiency.
MPPT Features	Designed to give maximum benefit from Solar Energy & minimize your Electricity Bill.
System Service Warranty	3 Years
Battery Warranty	5 Years
Battery Life	10 Years
Weight	60kg
Dimensions (LxHxW) in mm	500x830x350 mm