

Solar Power Box

Model	EX 300
Capacity	300VA
Max Load Capacity in Watts	240W
Input	
Input Voltage (INV Mode)	120V - 270V
Input Voltage (UPS Mode)	160V - 270V
Nominal Input Battery Voltage	12.8V
Output	
Output Voltage (Mains Mode)	Same as input
Output Voltage (INV/UPS Mode)	230V±5%
Output Frequency (INV/UPS Mode)	50Hz
Output Waveform (Mains Mode)	Same as input
Output Waveform (INV/UPS Mode)	Pure Sine Wave
Battery	
Battery Range	12.8V/48Ah
Battery Type	Lifepo4 (Inbuild)
Charging Current Mains	Constant Charging Approx. 10% of the Rated Battery Current in Ah
Backup Time	5 Hrs for 50% Load
Solar Specifications	
Solar Charger Type	PWM
Solar Panel	12V/150W
Max. Solar Panel Current	20Amps
Protections	
Battery Protection	Battery Management System (BMS)
Output Overload Protection	120%
Output Short Circuit Protection	300%
Battery Higher Cut-off Voltage (Adjustable)	14.5V
Battery Lower Cut-off Voltage (Adjustable)	11V
System Overload / Short Circuit Protection	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	13.5V ± 0.3 V DC
Mains Dis-Connect Voltage	14.5V ± 0.3 V DC
Operating Temperature	0°-63°C
Salient Features	
Modes of operations	Inverter mode. UPS mode. Solar inverter mode. Solar UPS mode Emergency mode.
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. Light weight High efficiency.
System Service Warranty	3 Years
Battery Warranty	5 Years
Battery Life	10 Years
Weight (Kgs)	14.6kg
Dimension (LxHxW) in mm	257 x 477 x 185 x mm