

# **SWEES**

**SOLAR POWER GENERATOR**

## **SPG SERIES**

- SPG P 500
- SPG P 1000

### **APPLICATIONS**

- SOHO and Residential applications
- Supports Computer and Process control equipments
- Plug and Play connectivity for DC LED lights
- 2 USB output for charging mobile phones



Accredited as Channel Partner for Off-grid and Decentralized Solar Applications (PV) under JNNSM by MNRE  
Empanelled as Energy Service Company with Bureau of Energy Efficiency (BEE)



# SOLAR POWER GENERATOR - SPG P SERIES

SPG (Solar Power Generator) is a Solar off grid inverter with LED lighting and USB ports.

## FEATURES

- DC Priority to reduce utility / grid consumption
- Long back-up hours
- Pure Sine wave output
- No load disturbance during change over between mains and battery
- Good output voltage regulation in line-mode operation

## TECHNICAL SPECIFICATION

Model		SPG P 500	SPG P 1000
Capacity		500 W	1000 W
PV INPUT	Nominal Voltage	18 VDC	36 VDC
	Open Circuit Volt	24 VDC	44 VDC
	Current	30 A	30 A
AC INPUT	Voltage Range	40± 5 V ~ 270±7 Vac	
	Line Regulation	220 VAC±10 V	
INV OUTPUT	Voltage (Bat. mode)	220 ~ 230 VAC	
	Frequency ( Bat. Mode)	50 Hz ± 0.5 Hz	
	Waveform	Sine-wave	
	Protection	Over Load and Short circuit	
Battery & Charger	Max.Charging Current	6 A	10 A
	DC Voltage	12 V	24 V
Transfer time	Typical	<10 ms	
Peak Efficiency	DC to AC	86%	
DC Output	LED Lighting	12 VDC/3 W x 2	
Display	Mobile Charger	5 VDC USB x 2	
	LED	PV ON, Battery ON, PV charge	
	LCD	Mains Input Voltage, Inv Output voltage, Battery charging Status, Operational Status	
Operating Temperature		0-40°C	
Physical Dimension		455 x 250 x 460 mm	455 x 395 x 460 mm

Specifications subject to change without prior notice.

## LOAD CHART:

Model	SPG P 500		SPG P 1000
Panel	240 Wp x 1	240 Wp x 2	230 Wp x 4
Battery	75 Ah x 1	100 Ah x 1	100 Ah x 2
AC Load	PC x 1, Fan x 1	PC x 2, Fan x 2	PC x 4, Fan x 3
DC Load	12 V/3 W LED Bulb x 2	12 V/3 W LED Bulb x 2	12 V/3 W LED Bulb x 2
	5 V Mobile charger x 2	5 V Mobile charger x 2	5 V Mobile charger x 2
Backup hours	4 hours	2~3 hours	3 hours

**swelect**  
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Toll Free No.  
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SPGPV114092017



RESCO certification



ESCO certification



ISA TECHNOVATION AWARD



Largest number of Rooftop Installation in year 2016



Softdisk Awards (2016-17)



ISO 9001:2015



ISO 18001:2007



ISO 14001:2015