

## SOLAR POWER GENERATORS

### SolGen



For creating clean, reliable, noise free and pollution-free energy to protect yourself from electric tariff volatility, or to provide additional backup power, there is a solar solution for you from Omega Electronics- SolGen Solar Power Generator

SolGen series of Solar Power Systems are available in many models and ratings to suit your requirements. These are easy to install and maintain and can result in energy savings from 20% - 50%.

The SolGen fills the need for a reliable, grid-tied battery backup inverter system that performs well under any operating scenario. Even when primary power fails, your critical load is still supported either by the PV panels or the battery backup capability.

The SolGen gives you energy independence without leaving you in the dark when the grid goes down.

#### FEATURES

- High efficiency for better performance and faster payback
- Instantaneous switching to back-up power mode
- Continuous power even when the grid goes down
- Front panel LED status display
- Adjustable set points to optimize system performance
- User-friendly programming and flexible operating modes

#### TECHNICAL SPECIFICATIONS

	SolGen-150	SolGen- 300	SolGen- 450	SolGen- 600
<b>General</b>				
Application	Solar electrification			
System input Voltage	12V DC		24V DC	
System output Voltage	230V AC, 50 Hz.			
Autonomy	2.5 days	2.5 days	3 days	2.5 days
<b>SPV Module</b>				
Module type	Mono / Poly Crystalline silicon			
Module power @ 16.4V	150 Wp	300 Wp	450 Wp	600 Wp
<b>Battery</b>				
Battery Type	Flooded Lead Acid (Tubular) or VRLA SMF Lead Acid			
Battery bank Voltage	12V		24V	
Battery bank capacity @ C/10	150 Ah	300 Ah	300 Ah	300 Ah
<b>Charge controller</b>				
Rating	10A	20A	20A	20A
<b>Inverter</b>				
Rating	500VA	1000VA	1000VA	2000VA
<b>Load</b>				
Usable load per day	600Whr.	1200Whr.	1800Whr.	2400Whr.

Note: Specifications subject to change without notice. Check for latest update

#### ORDERING INFORMATION

Model	System Voltage	SPV Module	Battery	SCC	Inverter
SPG-M0150A	12V DC	150 Wp	150 Ah	10A	500VA
SPG-M0300A	12V DC	300 Wp	300 Ah	20A	1000VA
SPG-N0450A	24V DC	450 Wp	150 Ah	20A	1000VA
SPG-N0600A	24V DC	600 Wp	300 Ah	20A	2000VA