

OPTI **INVERTER**

®

DATA SHEET

Hybrid
Inverters

SP EFFECTO



Opti SP Efecto Series inverters are high specification products that utilize solid state digital technology to give high efficiency, high reliability and exceptional value. They are suitable both for on-grid backup power applications or off-grid solar power supply and offer the advantage of scalability by parallel connecting units for larger capacity systems. Particular features include:-

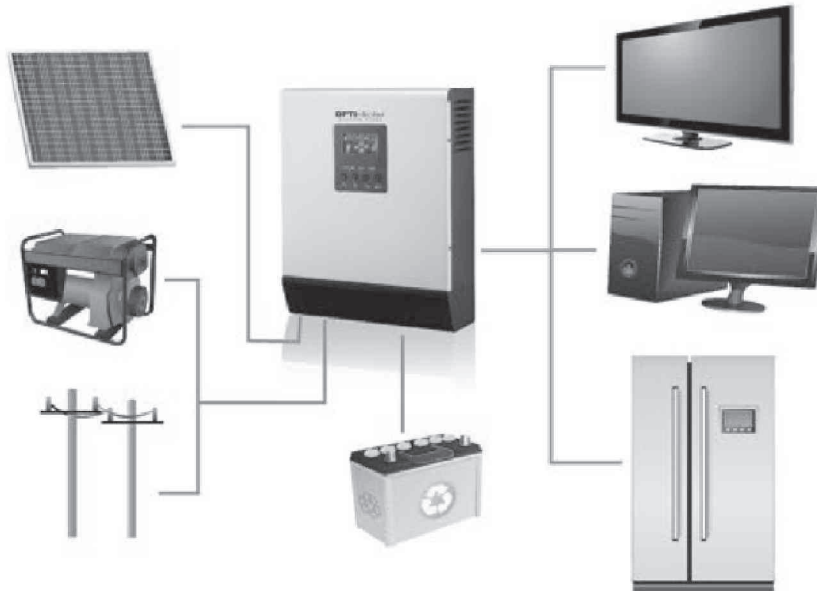
- Built in AC charger and PV solar charger functionality with capacity of up to 500Ah batteries.
- Pure sine wave power output.
- Less than 10ms transfer time from mains to standby power mode that is ideal for computer applications.
- Wide input power range suitable for all electrical and electronic devices and a peak efficiency of 93%.
- Generator compatible.
- Selectable charging current suitable for high capacity battery loads and smart battery charging.
- User configurable AC/DC priority logic.
- Overload and short circuit protection.
- LED monitoring panel and audible alarm for low and high battery voltage and overload, short circuit and overheating conditions.
- Remote system monitoring facility with RS232 interface.

SP Efecto inverters are quality products that are highly adaptable and efficient and are the ideal solution for all on and off grid inverter applications.

TECHNICAL SPECIFICATIONS

MODEL	SP Efecto Series				
	SP1000	SP2000	SP3000	SP4000	SP5000
Output Power	1000VA/800W	2000VA/1600W	3000VA/2400W	4000VA/3200W	5000VA/4000W
DC Input Voltage (Nominal)	12VDC	24VDC		48VDC	
AC Output Voltage/ Frequency (Nominal)	230VAC/50HZ				
Selectable Voltage Range	170-280VAC (for personal computers), 90-280VAC (for home appliances)				
Max. Battery Charging Current (A)	10A or 20A	20A or 30A			
Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA
Battery Low Alarm Voltage	10.5VDC	21VDC		42VDC	
Battery Shutdown Voltage	10VDC	20VDC		40VDC	
Battery Overcharge Protection	15VDC	30VDC		60VDC	
Battery Maximum Charge Current	10A or 20A	20A or 30A		20A or 30A	
Battery Charging Current (ISC)	50A				
Solar Operating Voltage Range	15~30VDC	30~60VDC		60~90VDC	
Max. PV Array Open Circuit Voltage	75VDC			125VDC	
Dimensions (LxWxH) mm	95x250x300	100x272x367		110x300x455	
Weight (kg)	4	4.5	6.8	6.8	8.5
Humidity	5% to 95% Relative Humidity (non-condensing)				
Operating Temperature	0°C-55°C				

Application Diagram



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