

SP1000 ~ SP5000 Efecto

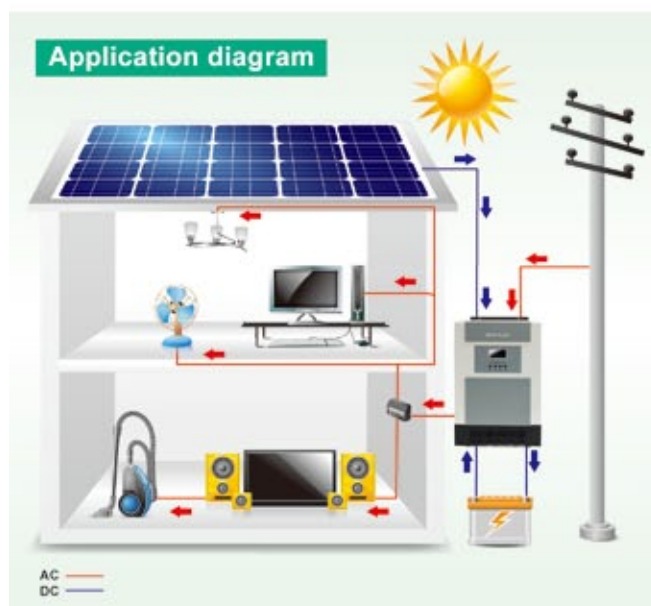
SP Efecto Series

SP Efecto series represent Hybrid/off-grid solar inverters that adapt high-frequency switching technology and offer high efficiency power saving results to customers who seek for environment friendly solutions that shall help reduce on the electricity bill. It integrates AC charger and PV solar charger controllers to allow for batteries up to 500AH to be used.

SP Efecto inverters introduce the parallel inter-connectivity to increase your overall solar installation power rating by simply adding inverters.

Features:

- Pure sine wave inverter with PF1
- Parallel connection capability, totally connected up to 9 inverters (Optional for SP4000 Efecto and SP5000 Efecto)
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current suitable for high AH-rating batteries
- Configurable AC/Solar input priority
- Diesel generator compatible
- Auto restart as AC recovers
- Overload and short circuit protection
- Smart battery charger
- Cold start function



SP1000 Efecto



SP2000 ~ SP3000 Efecto



SP4000 ~ SP5000 Efecto



Specifications

MODEL	SP1000 Efecto	SP2000 Efecto	SP3000 Efecto	SP4000 Efecot	SP5000 Efecto
Rated Power	1000VA/ 1000W	2000VA/ 2000W	3000VA/ 3000W	4000VA/ 4000W	5000VA/ 5000W
INPUT					
Voltage	230 VAC				
Selectable Voltage Range	170-280 VAC (For Personal Computers)				
	90-280 VAC (For Home Appliances)				
Frequency Range	50 Hz/60 Hz (Auto sensing)				
OUTPUT					
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%				
Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA
Peak Efficiency	90%				
Transfer Time	10 ms (For Personal Computers)				
	20 ms (For Home Appliances)				
Waveform	Pure sine wave				
Overload Capacity	10s for 110%~150% load				
	5s for ≥150% load				
BATTERY					
Battery Voltage	12 VDC	24 VDC	48 VDC		
Floating Charge Voltage	13.5 VDC	27 VDC	54 VDC		
Low Battery Alarm Voltage	10.5 VDC	21 VDC	42 VDC		
Shutdown Voltage	10 VDC	20 VDC	40 VDC		
Overcharge Protection	15.5 VDC	31 VDC	60 VDC		
Maximum Utility Charging Current	20A	30 A	60 A		
Reverse Polarity Protection	Yes				
SOLAR CHARGER					
Charging current	50A				
Suggested Best Operating Voltage Range	15~18V	30~32V	60~72V		
Suggested Operating Voltage Range	15~30V	30~60V	60~90V		
Maximum PV Array Open Circuit Voltage	40V	78V	100V		
Standby Power Consumption	1W	2W			
Reverse Polarity Protection	Yes				
JOINT UTILITY AND SOLAR CHARGING					
Maximum Charging Current	60A			110A	
PHYSICAL					
Dimension (D×W×H)	95×250×330mm	100×272×367mm		110×300×455mm	
Net Weight	5kgs	6.4kgs	6.9kgs	9.8kgs	
OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity(Non-condensing)				
Operating Temperature	0°C - 55°C				
Storage Temperature	-15°C - 60°C				

Specifications are subject to change without notice.

* Either SP4000 Efecto or SP5000 Efecto can be installed in parallel, and total capacity can reach 24KVA or 30KVA (Transfer time is 30ms in parallel operation)