

SP1000 Efecto ~ SP5000 Efecto

## SP Efecto Series

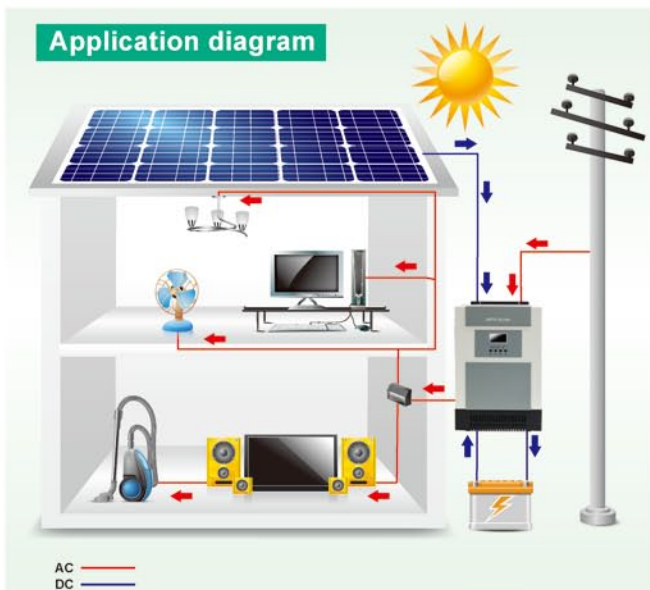
SP Efecto series represent Hybrid/off-grid solar inverters that adapt high-frequency switching technology and offer high efficiency power saving results to customers who seek for environment friendly solutions that shall help reduce on the electricity bill.

SP Efecto inverters feature 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



### Specifications

MODEL	SP1000 Efecto	SP2000 Efecto	SP3000 Efecto	SP4000 Efecto	SP5000 Efecto
Rated Power	1000VA / 1000W	2000VA / 2000W	3000VA / 3000W	4000VA / 4000W	5000VA / 5000W
<b>INPUT</b>					
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)				
<b>OUTPUT</b>					
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				
<b>BATTERY</b>					
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 VDC	30 VDC	60 VDC		
Maximum Utility Charging Current	20 A	30 A	60 A		
Reverse Polarity Protection	Yes				
<b>SOLAR CHARGER</b>					
Charging current	50A				
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				
<b>JOINT UTILITY AND SOLAR CHARGING</b>					
Maximum Charging Current	60A			110A	
<b>PHYSICAL</b>					
Dimension (D×W×H)	95 × 250 × 330mm	100 × 272 × 367mm		110 × 300 × 455mm	
Net Weight	4kgs	4.5kgs	6.8kgs	7.5kgs	8.5kgs
<b>OPERATING ENVIRONMENT</b>					
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)

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