OPTI-S INVERTER WER

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. The less than 10ms transfer time from utility to autonomous power supply is perfect for computer systems and is unique for high efficiency solar power supply systems. 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
- Parallel connection capability (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



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🚓 Use recycled paper for a green future



24KVA or 30KVA (Transfer time is 30ms in parallel operation)



Specifications

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SP4000 ~ SP5000 Efecto

MODEL	SP1000	SP2000	SP3000	SP4000	SP5000	
MODEL	Efecto	Efecto	Efecto	Efecto	Efecto	
Rated Power	1000VA / 800W	2000VA / 1600W	3000VA / 2400W	4000VA / 3200W	5000VA / 4000W	
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)					
(Batt. Mode)	230VAC ± 15%					
Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA	
Peak Efficiency	93%					
Transfor Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)					
Waveform	Pure sine wave					
BATTERY			_			
Battery Voltage	12 VDC	24 \	/DC	48 VDC		
Floating Charge Voltage	13.5 VDC	27 \	/DC	54 VDC		
Low Battery Alarm Voltage	10.5 VDC	21 \	VDC 4		/DC	
Shutdown Voltage	10 VDC	20 VDC		40 VDC		
Overcharge Protection	15 VDC	30 VDC		60 \	/DC	
Maximum Utility Charging Current	20 A	30 A		60 A		
SOLAR CHARGER						
Charging Current	50A					
Suggested operating	15~30VDC	30~60 VDC		60~90 VDC		
Maximum PV Array Open	40 VDC	78 VDC		100 VDC		
Standby Dewar						
Consumption	1W 2W					
JOINT UTILITY AND SOLAI	R CHARGIN	G				
Maximum Charging Current	50A			11	110A	
PHYSICAL						
Dimension (D×W×H)	95 x 250 x 330mm	100 x 272 x 367mm		110 x 300 x 455mm		
Net Weight	4kgs	4.5kgs	6.8kgs	7.5kgs	8.5kgs	
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						