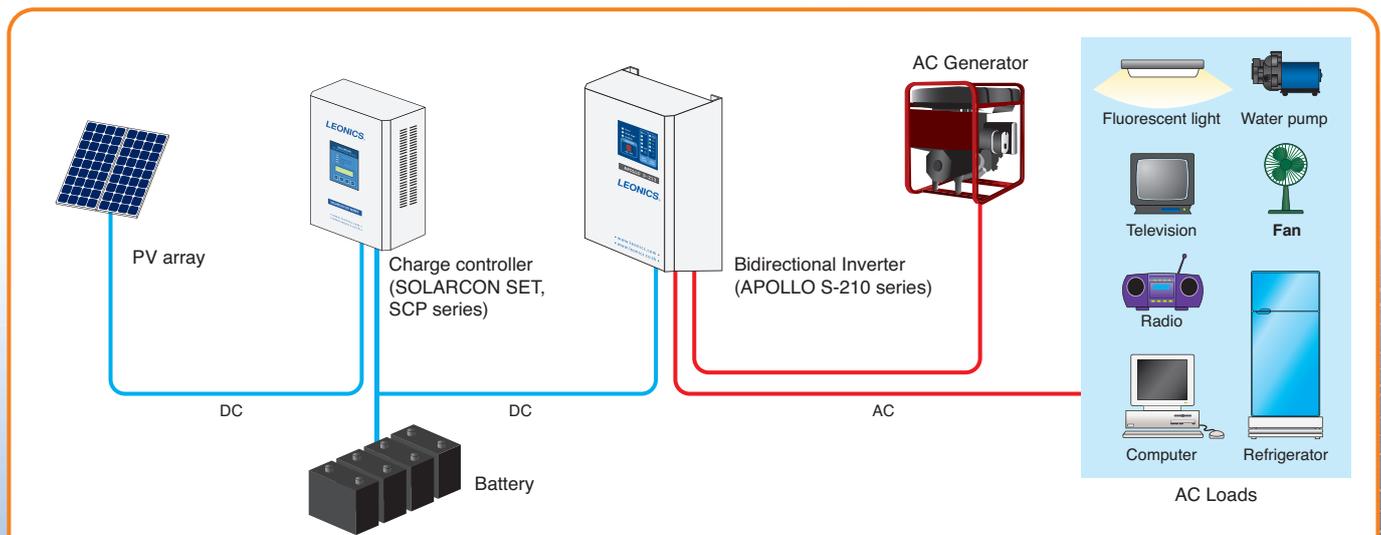


APOLLO S-210

Single Phase Bidirectional Inverter



- High efficiency bidirectional inverter with built-in output transformer
 - High speed automatic transfer switch (4 msec) included
 - Stable output voltage and frequency
 - Full protection for overload, short circuit and over temperature
 - Automatic low battery shutdown to protect battery
 - Reverse polarity protection
 - ISO 9001 and ISO 14001 certified factory
- Cooling fans with automatic speed controller
 - 3-stages charging to provide quick and safe charging for battery
 - LCD display and data logging (option)
 - Battery temperature compensation (option)
 - PC-communication with monitoring software (option)
 - 2 years warranty (option for 3 and 5 years)
 - Wall mounted, 19 inch rack mount and tower case



APOLLO S-210 series is stand-alone bidirectional inverter which can operate in inverter mode and rectifier charge mode. It provides highest reliable for stand-alone solar electrification system with capability to receive AC supply from generator. The inverter automatically detects availability of AC power supply from the generator and change operation to rectifier charge mode in order to charge battery and supply AC power from generator to AC appliances.

APOLLO S-210 series Single Phase Bidirectional Inverter

SPECIFICATIONS

MODEL		S-210A	S-211A	S-211B	S-212B	S-213B S-213B/RM	S-215B S-215B/RM	S-216B S-216B/RM	S-211C S-211C/RM	S-213C S-213C/RM	S-215C S-215C/RM	S-216C S-216C/RM	S-217C	S-218C S-218C/RM		
INPUT																
Inverter mode	Nominal voltage	12 Vdc			24 Vdc				48 Vdc							
	Voltage range	10.5 - 14.5 Vdc			21 - 29 Vdc				40 - 58 Vdc							
Charge mode	Nominal voltage	220 Vac														
	Voltage range	176 - 265 Vac														
	Frequency	50 / 60 Hz ± 3%														
AC Generator	Recommended power rating	1.25 kVA	1.25 kVA	2 kVA	3 kVA	4 kVA	6 kVA	7.5 kVA	2 kVA	4 kVA	6 kVA	7.5 kVA	11 kVA	14 kVA		
OUTPUT																
Inverter mode	Power continuous (Pf.=1)	150 VA / 150W	300 VA / 300 W	500 VA / 500 W	800 VA / 800 W	1 kVA / 1 kW	1.5 kVA / 1.5 kW	2 kVA / 2 kW	500 VA / 500 W	1 kVA / 1 kW	1.5 kVA / 1.5 kW	2 kVA / 2 kW	2.7 kVA / 2.7 kW	3.5 kVA / 3.5 kW		
	Max. surge power	200%														
	Voltage	220 Vac ± 1%														
	Frequency	50 / 60 Hz ± 0.1% (crystal control)														
	Wave form	Pure sine wave														
Total harmonic distortion	< 3%															
Charge mode	Nominal voltage	12 Vdc			24 Vdc				48 Vdc							
	Charging current	7 A	14 A	12 A	20 A	24 A	30 A	40 A	6 A	12 A	18 A	24 A	32 A	38 A		
SYSTEM																
Max. efficiency		> 80%			> 82%				> 85%				> 90%			
Protection		Over current, overload, over temperature, short circuit, over DC voltage, under voltage														
INDICATOR																
LED		Status, Battery Level, Overload, Fault			Load Level, Overload, Battery Level, Low Battery, Fault, Over Temperature, Charger Status, Inverter Status											
LCD	With data logging	Option (Inverter (voltage, current, frequency), Battery (voltage, current), Load (voltage, current))														
Audible alarm	Buzzer	Low battery, over load, short circuit, over temperature														
ENVIRONMENT																
Temperature		0 - 45°C														
Relative humidity		0 - 95 % (non - condensing)														
CONFORMANCE																
Design regulation	Safety regulation	AS 3100														
PHYSICAL																
Dimension W x H x D (cm)	Wall mount	18.2 x 36 x 12.1			26 x 36 x 16			29 x 51.5 x 22.5		26 x 36 x 16		29 x 51.5 x 22.5		58 x 35.4 x 21.8		
	Rack mount	-			-			48.2 x 22 x 50		48.2 x 14 x 50		48.2 x 22 x 50		- / 49.3x31x47.5		
Weight (Approx. in kg)	Wall mount	8	8.5	18.5	20.5	20.5	27	27	18.5	20.5	26	27	40.5	40.5		
	Rack mount	-	-	-	-	24	28	29	23	25	28	29	-	40.5		



ยินดีบริการ



02-026-3364-114



www.saeng.com



saengonline



@saeng

Authorized Dealer