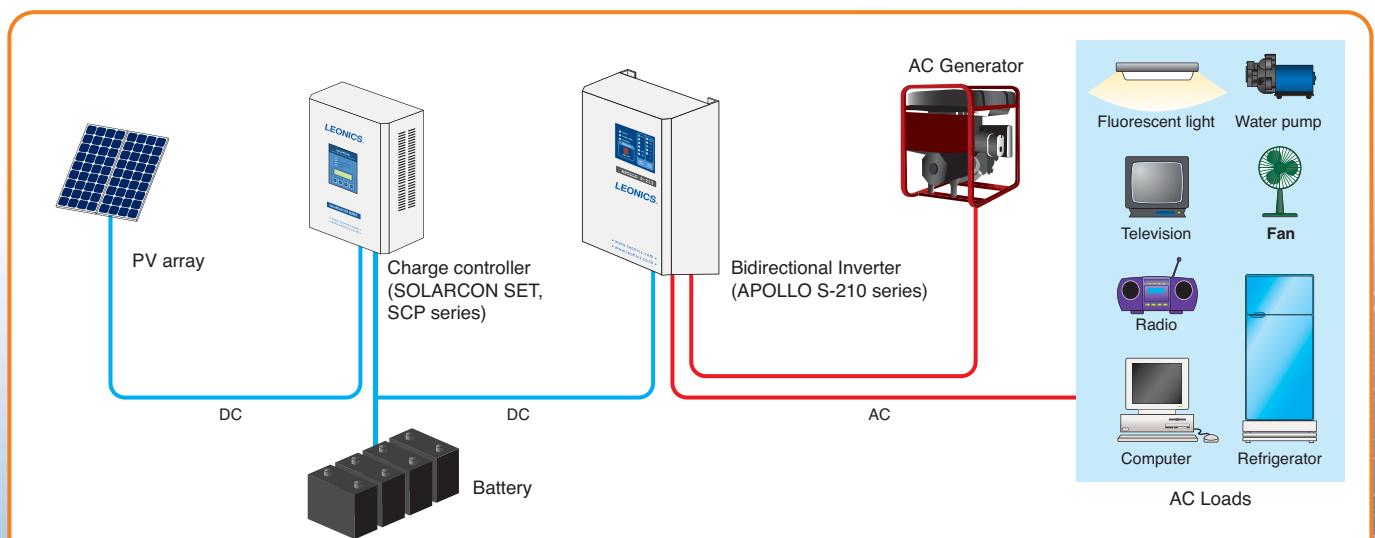


APOLLO S-210

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	S-219C S-219C/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	19 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	5 kVA / 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	52 A											
SYSTEM																									
Max. efficiency	> 80%			> 82%					> 85%					> 90%		> 95%									
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	-				
	Tower	-																			60x86.5x46				
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	-
	Tower	-																			90				

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.

Authorized Distributor

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