

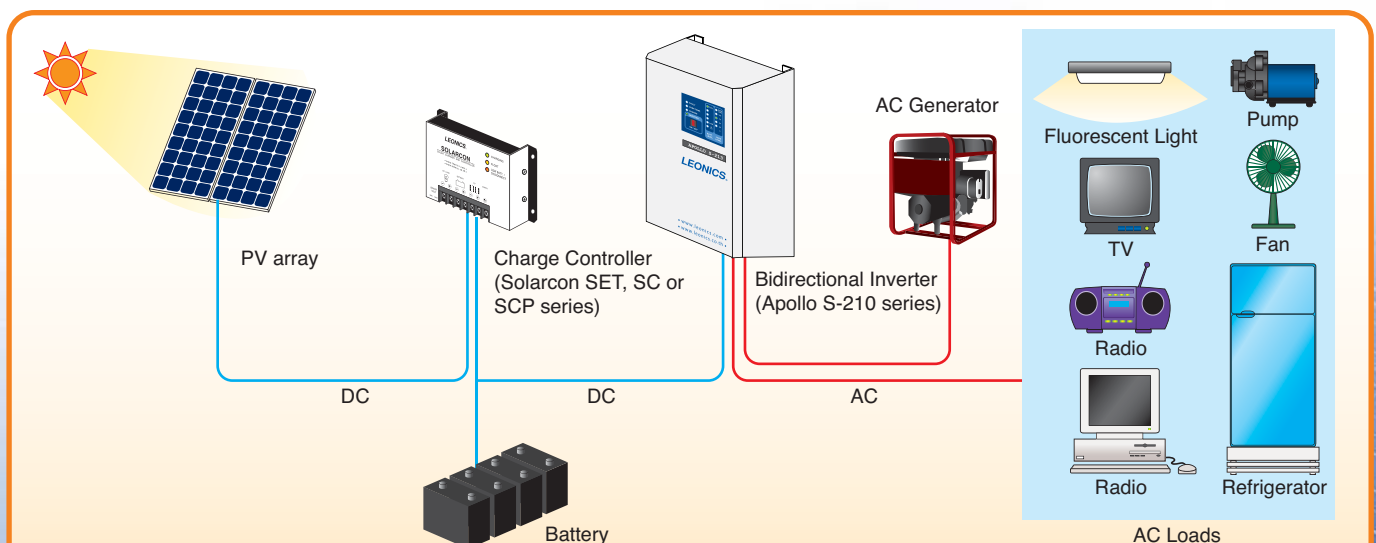
APOLLO S-210

BIDIRECTIONAL INVERTER



- Cooling fans with automatic speed controller
- One touch operation
- PC-communication with monitoring software (option)
- Wall mount and 19 inch rack mount case
- AS-3001 certified
- ISO 9001:2008 and ISO 14001 certified

- 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
- 3-stages charging to provide quick and safe charging for battery



The bidirectional inverter provides highest reliable for stand-alone solar electrification system with the capability to receive AC supply from generator. The inverter automatically detects availability of AC supply and change operation mode from inverter to charger and charges battery and connects load to use electricity from generator.

APOLLO S-210 series 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		
INPUT																	
Inverter mode	Nominal voltage	12 Vdc			24 Vdc				48 Vdc								
	Voltage range	10.5 - 14.5 Vdc			21 - 29 Vdc				40 - 58 Vdc								
Charger mode	Nominal voltage	220 Vac															
	Voltage range	176 - 265 Vac															
OUTPUT																	
Inverter mode	Power continuous (Pf. = 1)	150 VA / 150 W	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%																
Charger mode	Nominal	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%			> 92%		
Protection		Over current / Overload / Over temperature / Short circuit / Under voltage															
INDICATOR																	
LED		Status / Battery level / Overload / Fault			Load level / Over load / Battery level / Low battery / Fault / Over temperature / Charger status / Inverter status												
ALARM	Buzzer	Low battery / Over load / Short circuit / Over temperature															
OPERATING CONDITION																	
Temperature		0 - 45°C															
Relative humidity		0 - 95 % (Non - condensing)															
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		60x86.5x46
	Rack mount	-			-			48.2 x 22 x 50			48.2 x 14 x 50		48.2 x 22 x 50		- 49.2x31x47.5		-
Weight (kg.) (approximate)	Wall mount	8	8.5	18.5	20.5	20.5	27		18.5	20.5	26	27	40.5		90		
	Rack mount	-			-			24	28	29	23	25	-		40.5		
CONFORMANCE																	
Design regulation	Safety regulation	AS 3100															

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

Authorized Distributor

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