

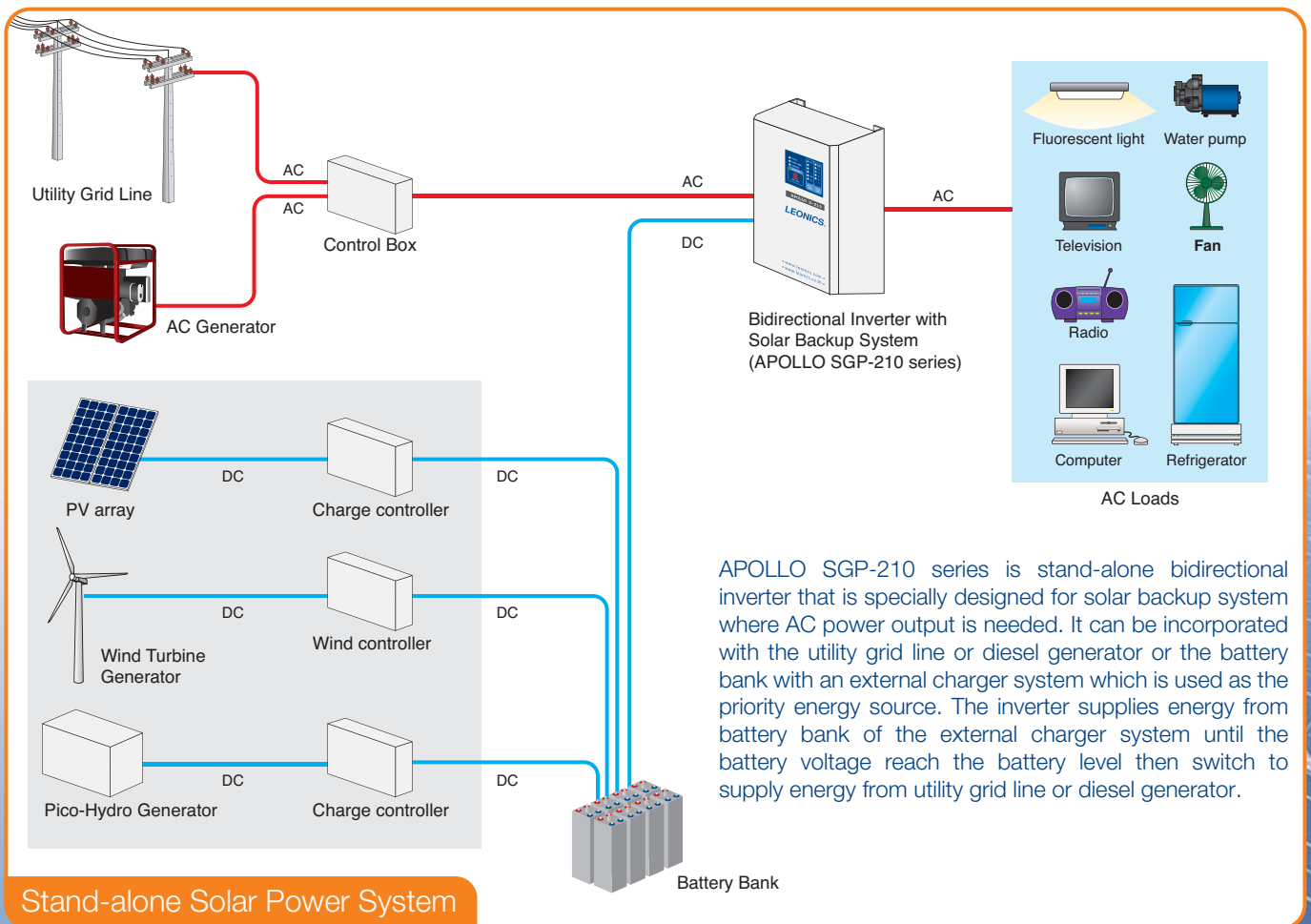
APOLLO SGP-210

Bidirectional Inverter for Solar Backup System



- Advanced microprocessor control
- High efficiency bidirectional inverter with built-in output transformer
- Stable output voltage and frequency
- Full protection for overload, short circuit and over temperature
- Automatic low battery shutdown to protect battery
- Reverse polarity protection

- Cooling fans with automatic speed controller
- PC-communication with monitoring software (option)
- One touch operation
- Wall mounted type
- ISO 9001 and ISO 14001 certified factory



APOLLO SGP-210 series is stand-alone bidirectional inverter that is specially designed for solar backup system where AC power output is needed. It can be incorporated with the utility grid line or diesel generator or the battery bank with an external charger system which is used as the priority energy source. The inverter supplies energy from battery bank of the external charger system until the battery voltage reach the battery level then switch to supply energy from utility grid line or diesel generator.

APOLLO SGP-210 series Bidirectional Inverter for Solar Backup System

SPECIFICATIONS

MODEL		SGP-213C	SGP-215C	SGP-216C	SGP-217C	SGP-218C
INPUT						
Inverter mode	Nominal voltage	48 Vdc				
	Voltage range	40 - 58 Vdc				
Charge mode	Nominal voltage	220 Vac				
	Voltage range	220 Vac ± 10%				
AC Generator	Recommened power rating	3 kW	4.5 kW	6 kW	8.1 kW	10.5 kW
OUTPUT						
Inverter mode	Power continuous (Pf.=1)	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
	Maximum surger 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	48 Vdc				
	Charging current	12 A	18 A	24 A	32 A	38 A
	Internal charging time	6 hours (Adj.)				
SYSTEM						
Max. efficiency		> 90% (> 95% is optional)				
Protection		Over current, overload, over temperature, short circuit, over DC voltage, under voltage				
INDICATOR						
LED		Load Level, Overload, Battery Level, Low Battery, Fault, Over Temperature, Charger Status, Inverter Status				
Audible alarm	Buzzer	Low battery, over load, short circuit, over temperature				
ENVIRONMENT						
Temperature		0 - 45°C				
Relative humidity		0 - 95 % (non - condensing)				
PHYSICAL						
Dimension	W x H x D (cm)	26 x 36 x 16	29 x 51.5 x 22.5		58 x 35.4 x 21.8	
Weight	Approx. in kg	20.5	26	27	40.5	40.5

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

Authorized Distributor

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