

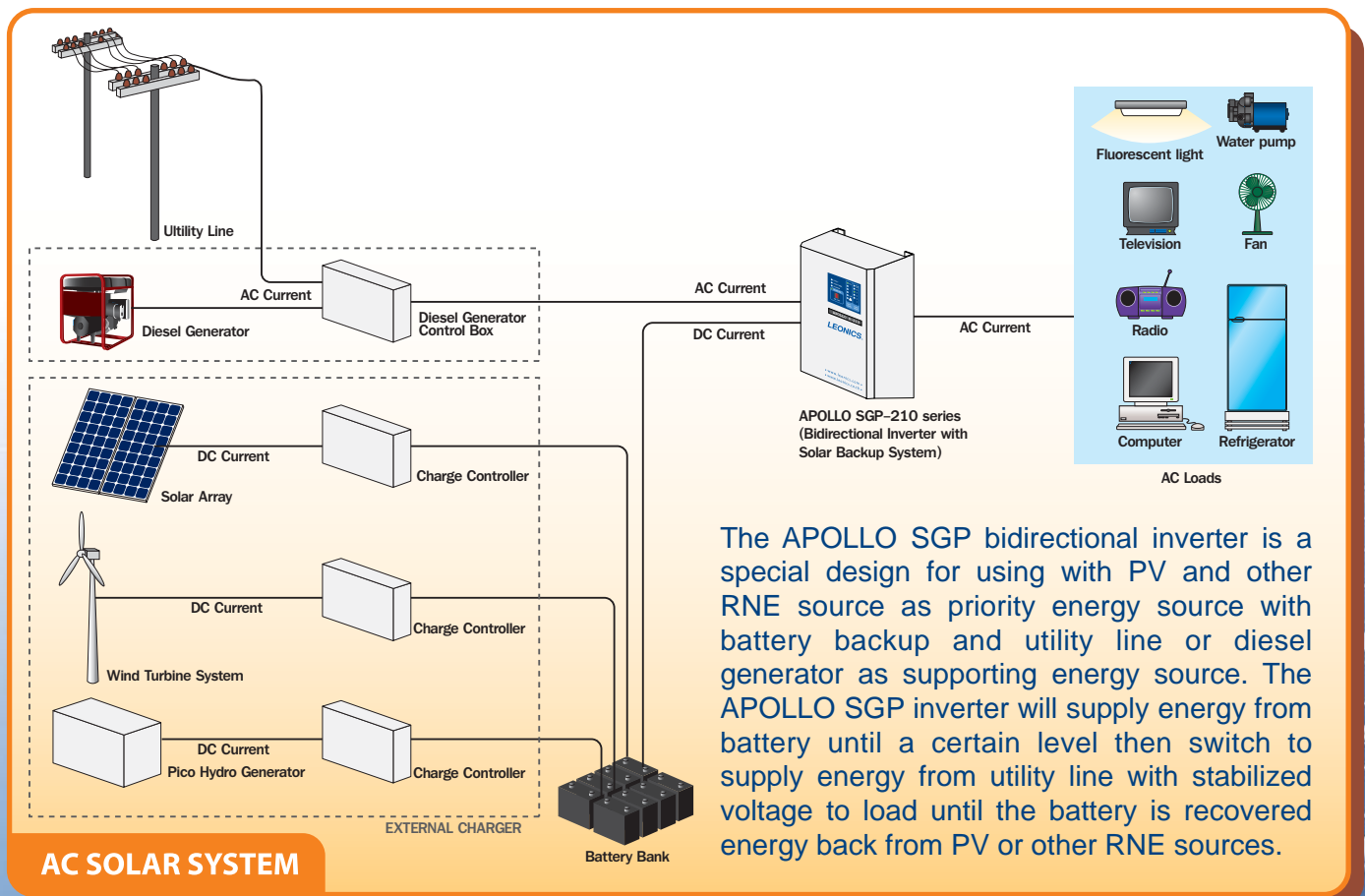
APOLLO SGP-210

BIDIRECTIONAL INVERTER FOR SOLAR BACKUP SYSTEM



- Advanced microprocessor controlled
- High efficiency bidirectional inverter
- Automatic Voltage Regulator (AVR)
- Stable output voltage and frequency
- Full protection for overload, short circuit and over temperature
- Automatic low battery shutdown to protect battery
- Compatible with diesel generator, battery bank and external charger

- 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



The APOLLO SGP bidirectional inverter is a special design for using with PV and other RNE source as priority energy source with battery backup and utility line or diesel generator as supporting energy source. The APOLLO SGP inverter will supply energy from battery until a certain level then switch to supply energy from utility line with stabilized voltage to load until the battery is recovered energy back from PV or other RNE sources.

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				
	Charger mode / Stabilizer mode	Nominal voltage	220 Vac				
		Voltage range	220 Vac -35% ,+25%			220 Vac - 23% ,+25%	
OUTPUT	Inverter mode	Power continuous	1 kVA	1.5 kVA	2 kVA	2.7 kVA	3.5 kVA
		Maximum surge power	200% for 2 sec.				
		Voltage	220 Vac ± 1% (230 Vac option)				
		Frequency	50/60 Hz ± 0.1% (crystal control)				
		Wave form	Pure sine wave				
		Total harmonic distortion	< 3%				
	Stabilizer mode	Voltage (AVR)	Nominal ± 10%				
		Automatic Voltage Stabilizer	Buck / Double Boost			Buck / Boost	
		Number of tap change	4 taps			3 taps	
	Charger mode	Nominal Voltage	48 Vdc				
		Maximum charging current	9 A	12 A	18 A	24 A	30 A
		Internal charge time	6 hours. (Adj.)				
SYSTEM		Max. efficiency	> 88%	> 90%			
PROTECTION			Over current / Overload / Over temperature / Short circuit / Under voltage				
INDICATOR		LED	Load level / Overload / Battery level / Low battery / Fault / Over temperature / Charger status / Inverter status				
ALARM		Buzzer	Low battery / Over load / Over temperature				
OPERATING CONDITION		Temperature	0 - 45°C				
		Relative humidity	0 - 95 % (Non - condensing)				
DIMENSION		W x H x D (cm.)	26 x 36 x 16	28 x 50 x 19		58.2 x 33.2 x 22	
WEIGHT		in kg.	20.5	25	26	40.5	

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

Authorized Dealer:

Authorized Distributor:

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