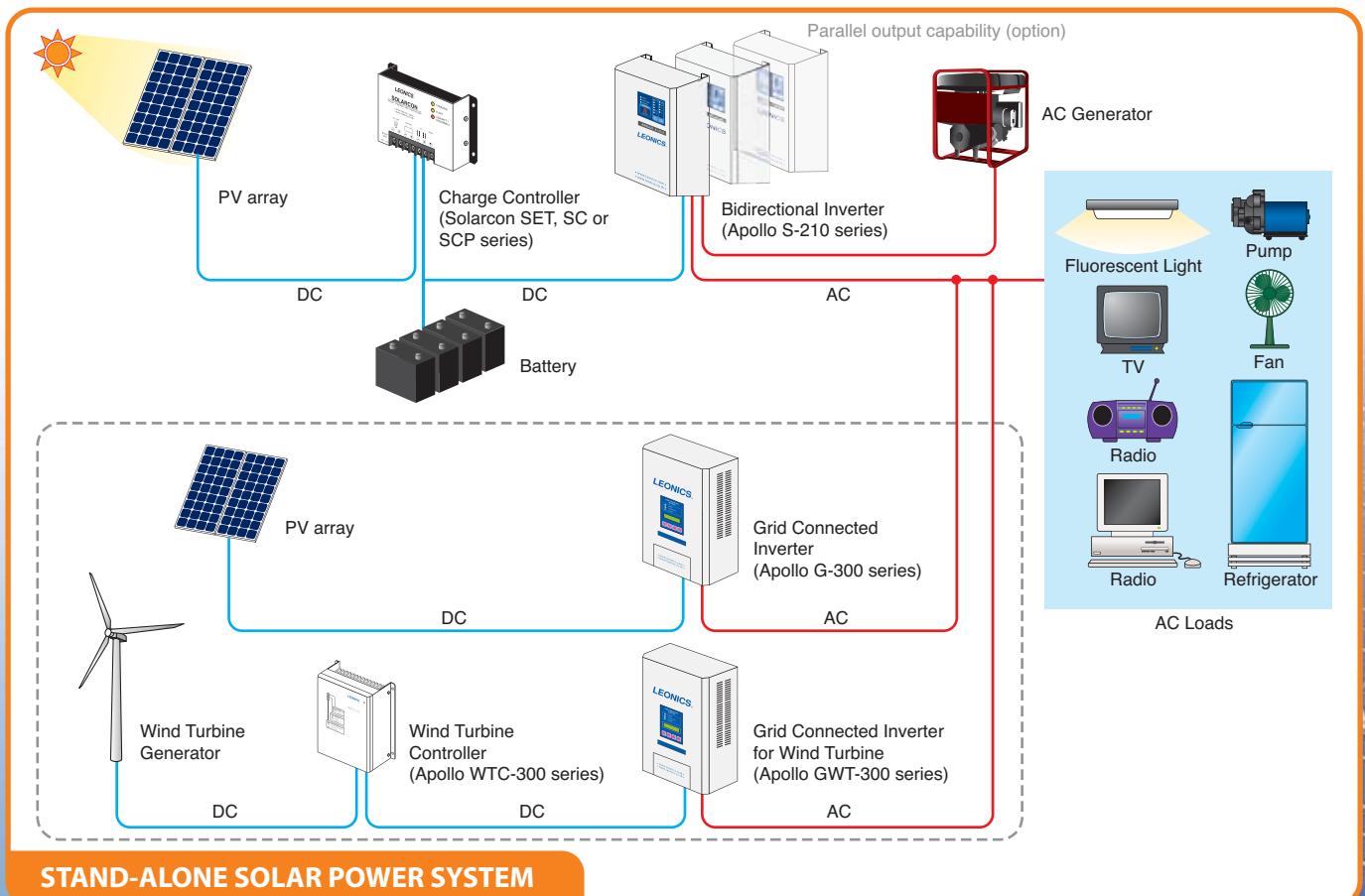


APOLLO S-210

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)
- Parallel output capability (option)
- Battery temperature compensation (option)
- PC-communication with monitoring software (option)
- 2 years warranty (option for 3 and 5 years)
- Wall mount, 19 inch rack mount and tower case



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%				> 95%
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												
LCD	With data logging	Option (Inverter voltage & current / Inverter frequency / Battery voltage & current / Load voltage & current)														
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		-
	Rack mount	-				48.2 x 22 x 50			48.2 x 14 x 50		48.2 x 22 x 50		-	49.2x31x47.5	-	
	Tower	-														60 x 86.5 x 46
Weight	Wall mount	8	8.5	18.5	20.5	20.5	27		18.5	20.5	26	27	40.5		-	
	Rack mount	-				24	28	29	23	25	-			40.5	-	
	Tower	-														90
CONFORMANCE																
Design regulation	Safety regulation	AS 3100														