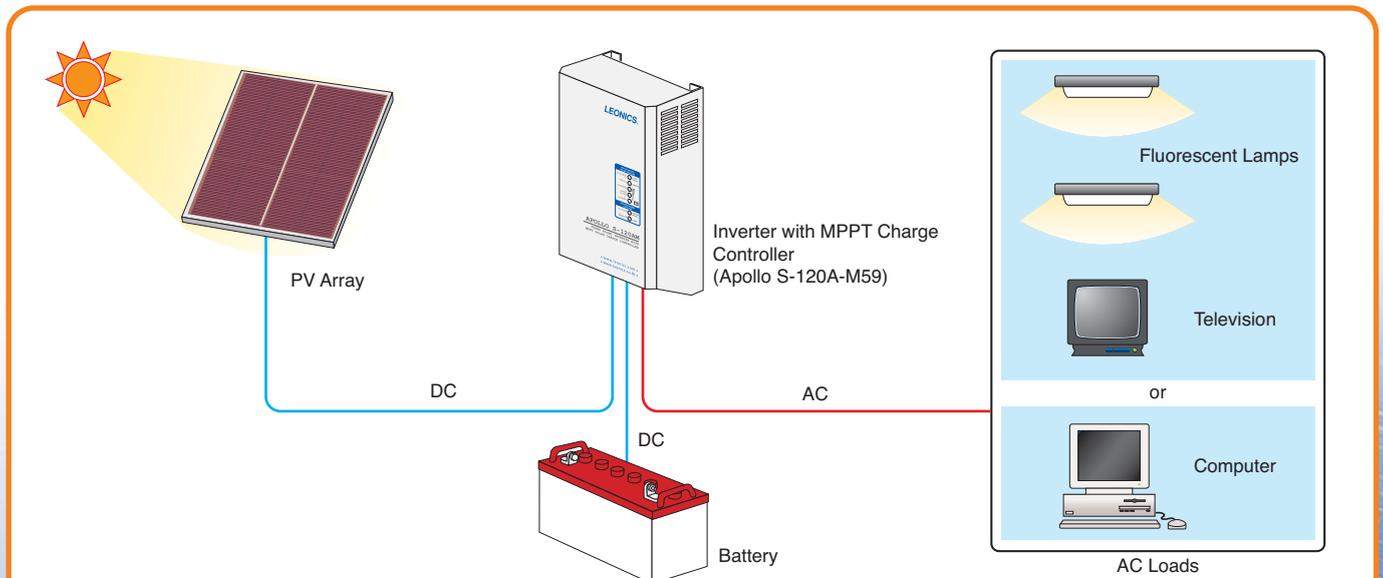


APOLLO S-120AM

STAND ALONE INVERTER WITH MPPT SOLAR CHARGE CONTROLLER



- High efficiency with microprocessor control
- Stable output voltage and frequency
- Full protection for overload and short circuit
- Automatic low battery shutdown to protect battery
- 10 A MPPT solar charge controller
- Quiet operation
- One touch operation
- Energy saving force air cooling fan
- Wall mounted type
- AS-3100 certified
- ISO 9001 and ISO 14001 certified factory



Solar home system is a stand-alone solar power system, uses for rural electrification in remote areas where the utility grid is not available. The system consists of charge controller and inverter in the same enclosure. The charge controller controls charging current from solar array to storage battery and the inverter converts DC from battery to AC to supply to AC appliances. And built-in MPPT (Maximum Power Point Tracking) to maximize power generated by PV array.

This system is suitable for house, school or health center. It can use together with electrical equipments such as fluorescent lamp with electronic ballast, television, radio, computer and etc.

APOLLO S-120AM series

STAND-ALONE INVERTER WITH MPPT SOLAR CHARGE CONTROLLER

SPECIFICATIONS

MODEL			S-120A-M59
INPUT	Inverter mode	Nominal voltage	12 Vdc
		Voltage range	10 - 16 Vdc
	Charger mode	PV maximum voltage	92 Vdc
		MPPT tracking voltage	40 - 92 Vdc
OUTPUT	Inverter mode	Power continuous	150 VA / 150 Watt
		Max. surge power	200% of continuous power
		Voltage	220 Vac \pm 3% (230 Vac option)
		Frequency	50 Hz \pm 0.1% (crystal control) (60 Hz option)
		Wave form	Modified sine wave
	Charger mode	Nominal voltage	12 Vdc
		Max. charge current	10 A
SYSTEM	Inverter maximum efficiency at full load Pf.= 1		> 80%
	Low battery disconnect		yes
PROTECTION			Over temperature / Overload / Short circuit / Reverse (PV) polarity / Transient voltage / Over charge / Over discharge
INDICATOR	Solar Charger	Status	Boost charge (green)
			Charging (green)
		Battery level	Full Battery (green) Medium Battery (yellow) Low Battery (red)
	Inverter	Status	Inverter normal (green) Alarm (red)
ALARM	LED	Low battery / Overload / Short circuit	
VENTILATION	Fan	Automatic control	
OPERATING CONDITION	Temperature	0 - 45°C	
	Relative humidity	0 - 95% (non - condensing)	
DIMENSION	W x H x D (cm.)	16.5 x 29.5 x 9.6	
WEIGHT	Approximate in kg.	5.5	
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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