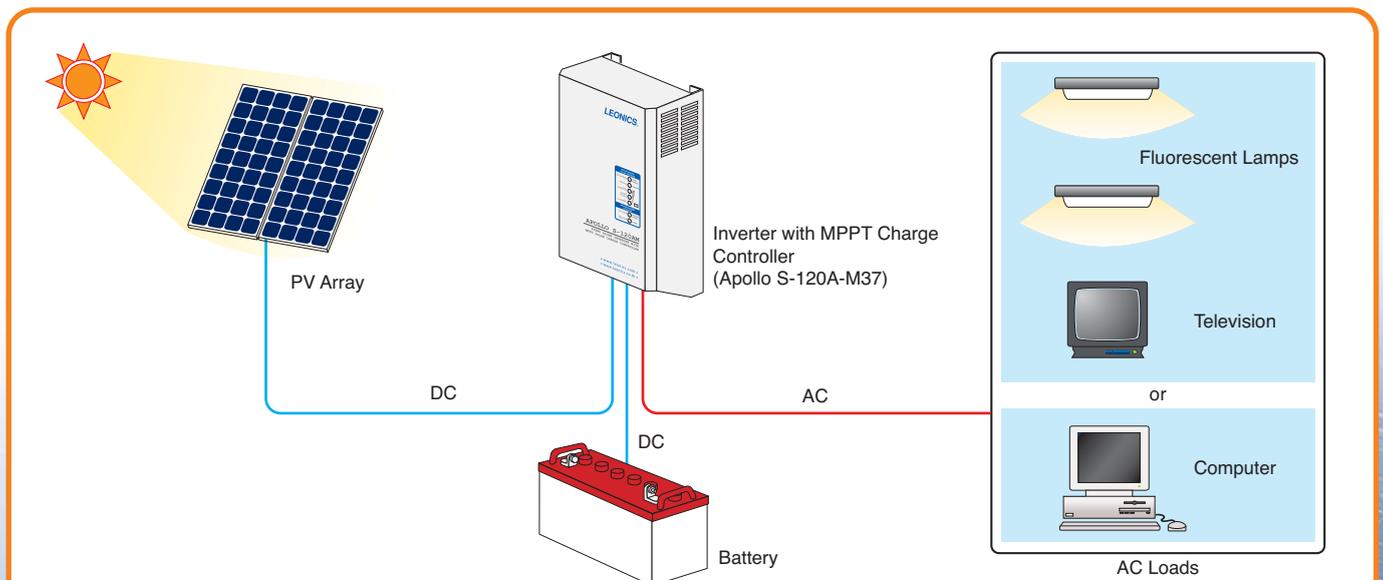


APOLLO S-120A-M37

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-120A-M37

STAND-ALONE INVERTER WITH MPPT SOLAR CHARGE CONTROLLER

SPECIFICATIONS

MODEL			S-120A-M37
INPUT	Inverter mode	Nominal voltage	12 Vdc
		Voltage range	10 - 16 Vdc
	Charger mode	PV maximum voltage	70 Vdc
		MPPT tracking voltage	30 - 70 Vdc
OUTPUT	Inverter mode	Power continuous	150 VA / 150 Watt
		Max. surge power	200% of continuous power
		Voltage	220 Vac ± 3%
		Frequency	50 Hz ± 0.1% (crystal control)
		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)			
VENTILATION	Fan		Turn-on when load more than 60 Watt
ALARM	Buzzer		Low battery / Overload / Short circuit
OPERATING	Temperature		0 - 45°C
CONDITION	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.		5.9
DESIGN	Safety regulation		AS 3100
REGULATION			

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

Authorized Distributor:

LEO ELECTRONICS CO.,LTD.

119/50-51 MOO 8 BANGNA-TRAD RD., BANGNA, BANGNA, BANGKOK 10260 THAILAND.
Tel. 66-2746-9500, 66-2746-8708 Fax. 66-2746-8712
<http://www.leonics.com> • e-mail : RNE@leonics.com

Authorized Dealer: