

SOLAR HOME LIGHTING SYSTEM - For LED lighting and DC fans for homes

- 200 to 300W Solar MPPT charger
- Lithium ferrous or lithium Ion battery
- Up to seven DC outputs and one mobile charger points
- Fully protected for over load, reverse connection
- Battery protected for over current, over charge and deep discharge
- External or internal battery options
- GSM remote monitoring option



TECHNICAL SPECIFICATION

Parameter	Range/ Value
Panel capacity	150Wp to 300Wp
No. of cells	48 or 60 or 72
Type of charger	MPPT
Charging method	CC-CV-OFF/ Float
Indication	Green LED - Charging
	Red LED - Output
	Yellow LED - Battery status
Max load current	15A
Battery low trip	10.8±0.2V
Charger reconnect	>12.5±0.2V
USB port for mobile	2A, 5.5V
Enclosure	Powder coated MS
Battery type	LiFePO4/ Li-Ion
Battery voltigel	10.5 to 14.2V

Parameter	Range/ Value
Panel type	Polly crystalline
Panel VMP	24 or 30 or 36 V (Nominal)
Termination	MC4
Max charging current	20A
Charge voltage	14.2V (16.4V, Li-Ion)
Protection	Battery reverse, panel reverse
	Load short circuit, poad overload
	Night discharge, overcharge
	Battery discharge
Overload/ Short restart	30 sec
Idle current	<20mA
Protection class	IP21
Battery capacity	80AH (Max)
BMS	Internal to LiFePO4/ Li-Ion

*Note: Specification may change as result of continuous improvement of the product. Contact factory for latest update. Picture shown is that of the PCB. Actual model will come in enclosure as specified.