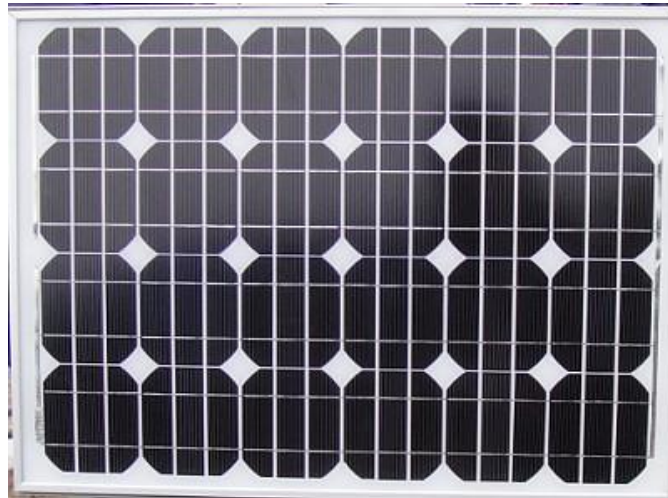


50 WATTS SOLAR POWER KIT

PURE ENER G 50 watts solar panel



Parameters	type	PEVM-12V50M
		Mono-crystalline silicon
Maximum power (watt)	W	50W
Production tolerance		+5% /-5%
Maximum power voltage	V	17.5
Maximum power current	A	2.86
Open circuit voltage	V	21.5
Short circuit current	A	3.15
Size of module (wide and high)		720*550*35(mm)
Weight		5.5kg
Frame(type, material and thickness)		Anodized Alum. Alloy 25mm thickness
Number of cells		36pcs
Type of junction box		TUV certified junction box
Certificates		CE, ROHS
Cable type and length, connector type		4cm ² TUV certified cable 1m long Multi contact connector (compatible to MC type IV)
Maximum system voltage		1000V
Temperature coefficient of Isc		±0.05%/°C
Temperature coefficient of Voc		-0.33%/°C
Temperature coefficient of power		-0.5%/°C
Temperature coefficient of Imp		+0.08%/°C
Temperature coefficient of Vm		-0.33%/°C
NOCT(nominal operating cell temperature)		45°C(±°C)
Insulation		> = 100MΩ
Voltage standoff		AC2000V, DC 3000V
Wind bearing		60m/s(200kg/sq.m)
Impact resistance hail impact test		227g steel ball fall down from 1m height
Encapsulated with toughened glass		Low iron tempered glass with thickness of 3.2mm,light transmittance above91%
Superstrate in front		Hi-sheet RC 02B (0.45mm thick)/Japan
Backside foil		PTL3-38/75(0.17mm thick),Krempel/Germany
Conversion efficiency		Cell conversion efficiency> 17%
Quality guarantee		2years product warranty,10years 90%

SOLAR CHARGE CONTROLLER



TECHNICAL INFORMATION

- Regulations point 14.4 Volts
 - Low voltage Disconnect 11.1 Volts
 - Low voltage Reconnect 13.1 Volts
- Note: all is for 12V system only, use 2x for 24 Volt system**
- Microcontroller digital accuracy
 - Type of Charging Series PWM & stat of charge(SOC)
4 Stages: equalization, PWM, Boost and Float, temperature compensated charging
 - Electronic protections Short circuit and over current-solar and load
Reverse polarity-solar, load, battery
Reverse current at night
Limits high voltage to protect loads
Lighting protection
 - Tropicalization Conformal coated printed circuit board
 - Terminals For wire sizes to 6mm²
 - Weights 160g
 - Self-consumption 6mA maximum
 - Temperature -35°C to 55°C
 - Enclosure IP22
 - Warranty 1 years
 - Compliance CE

600 watts power inverter



INPUT VOLTAGE	DC12V
OUTPUT VOLTAGE	AC220~240±10%
CONTINUOUS POWER	600W
PEAK POWER	1200W
OUTPUT WAVEFORM	Pure Sine Wave
FREQUENCY	60/50Hz
EFFICIENCY	>90%
LOWER INPUT VOLTAGE WARNING	10.5VDC+0.5V
LOWER VOLTAGE PROTECTION	10VDC+0.5V
HIGH VOLTAGE PROTECTION	15VDC+0.5V
STATIC CURRENT	<0.6A
OVERLOADING PROTECTON	>600W

DEEP CYCLED BATTERY



70 AH / 12V MOTOLITE SOLAR MASTER

1	Pc	(PEPM-12V50M) 50 watts solar panel	P 12,500.00	P 12,500.00
1	Pc	(PECC-10A) 10Amp Solar Charge Controller	P 2,500.00	P 2,500.00
1	Pc	Power Inverter 500watts (<u>modified sine wave</u>)	P 3,500.00	P 3,500.00
1	Pc	Solar Master Deep cycled Battery 70AH	P 5,500.00	P 5,500.00
			TOTAL	P 24,000.00

QTY	UNIT	APPLIANCES / EQUIPMENTS	RATINGS	No. Of hrs / day
1	PC	Washing Machine	300 watts	1
		or		
1	Pc	Electric Fan	60 watts	5 hrs
		or		
1	pc	TV	75	2.5 hrs
1	pc	DVD player	50	2.5 hrs

NOTE:

**Price does not include installation, wirings & mounting brackets.

** Prices are VAT exclusive.