



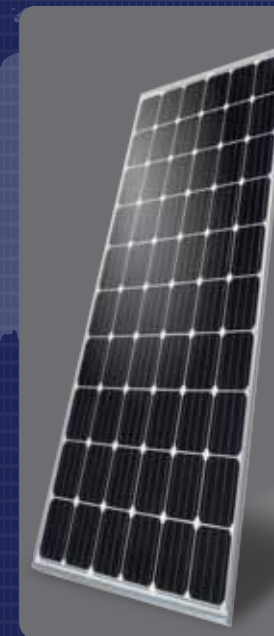
Saves you bundles in energy bills, and help the environment at the same time.

**POWER SOLAR GEN KIT SYSTEM
PSK 2500/200**



KEY FEATURES :

- Compact Power control box features and functions
- LED Display
- Built-in controller 40A
- Built-in inverter 1800W pure sine wave
- Three stage intelligent Automatic charging to protect battery
- With Solar and AC Charger
- High efficiency DC to AC conversion, Invert mode $\geq 80\%$
- System is base on 8 hours sun peak hours
- Low discharge and over charge battery protection
- Overload , Short Circuit protection
- Over Charging and Over discharging protection
- With DC Breaker / Circuit Breaker / Fuse



FUNCTIONS:

Mppt Charger controller for AGM Deep cycle Batteries

PV Input Voltage range : 60V - 100V Dc

AC Outputs : 220V/1800W Maximum; 2 outputs

USB Outputs : 5V Dc/1A Maximum 2 outputs

Surge Protection - Rated 3 times of rated power or current

PV Priority or AC Priority switch mode

Charging time:

- From 7-8 h (during peak sun hours)

Note: Back up time depends on battery capacity

PSK 20018M MONOCRYSTALLINE HIGH EFFICIENT SOLAR PANEL

Solar Panel	5 x 200W/18V
Maximum Power	200W
Optimum Operating Voltage (Vmp)	17.8V DC
Optimum Operating Current (Imp)	11.2 A
Panel size	1580 x 810 x 40 mm
Panel weight :	18 kgs
Packing	1 Panel Per Carton
Solar cable wire (recommended)	4 mm ²

RECOMMENDED BATTERY CAPACITY (BATTERY NOT INCLUDED)

AGM DEEP CYCLE BATTERY 12V / 200AH x 2 Pcs.

NOTE : BACKUP TIME DEPENDS ON TOTAL DAILY WATT HOUR CONSUMPTION

AND REQUIRED

NUMBER OF DAYS OF BACKUP TO CALCULATE OVERALL BACKUP BATTERY CAPACITY

* Conscious energy conservation is necessary to ensure the longevity of the batteries. For small kit system's ,requires careful management of energy usage, yet allows you the conveniences of a utility-fed Home / Facility.

SPECIFICATIONS

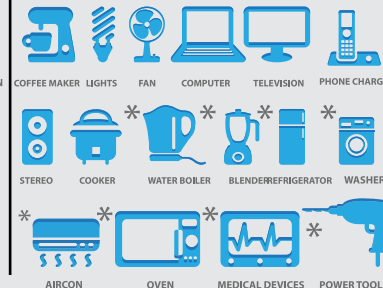
PSK 2500/200 SOLAR GEN KIT (Stand-alone unit)

Rated Power	1800W
Battery Voltage	24Vdc
Working Mode	PV(Photovoltaic priority) / AC (AC priority) optional
PV	Input Voltage Range Max. Charge Current Max. Conversion Efficiency Panel Indicator Light Input Voltage Range Input Frequency Range
Display	40A 98% LED graphic screen + LED lights 140Vac~275Vac 45-65 Hz (automatically transfer to invert mode when over frequency) 190Vac~245Vac
Mains status (Optional)	Output Voltage Range Input PF. (AC/DC) Efficiency Charge Current Mains Overload Short Circuit Inverter Output Voltage Output Frequency Output Power Factor Wave Form Distortion PV-AC Transfer Time Efficiency Inverter Overload
Inverter Output	0.98 mains mode $\geq 80\%$ 10A warning until decrease load yes 220V $\pm 3\%$ 50 Hz / 60Hz $\pm 0.3\text{Hz}$ frequency adaptive ≥ 0.8 linear load $\leq 3\%$ 4Ms typical value Max.6 Ms invert mode $\geq 80\%$ 110%-130% shutdown at 30s, 130%-150% shutdown at 3s 1time/1S and flash battery last grid 1time/ 1S and display "overload" grid system automatically shut down 1time/1S, silence auto after 5S RS232 (optional) universal sockets x 2/ customized 2 x USB 5V Output not applicable optional 0°C ~40°C
Alarm	Low Battery Overload Short Circuit Mains Abnormal Interface
Communication	AC Output Sockets USB 5V DC Charger output DC 12V Output (DC Jack) Surge Protection Ambient Temperature Ambient Humidity Noise Machine Dimension Packing Dimension Qty/Ctn Packing G.W.
Others	10%~90%(non condensed) $\leq 50\text{dB}$ 220x383x275 (MM) 470x295x370 1 (kg) 10.00

OFF-GRID APPLICATIONS



TYPICAL LOAD APPLICATIONS



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from Conceptual design to Completion**



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