

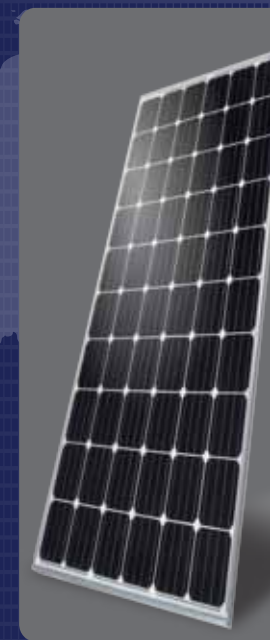
Saves you bundles in energy bills, and help the environment at the same time.

**POWER SOLAR GEN KIT SYSTEM
PSK 800/100**



KEY FEATURES :

- COMPACT POWER CONTROL BOX FEATURES AND FUNCTIONS
- LED DISPLAY
- BUILT-IN CONTROLLER 20A
- BUILT-IN INVERTER 500W 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 : 15V - 50V Dc

AC Outputs : 220V/500W Maximum; 2 outputs

DC Outputs : 12V Dc/1A Maximum 4 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	2 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 / 100AH 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 800/100 SOLAR GEN KIT (Stand-alone unit)

Rated Power	500W
Battery Voltage	12Vdc
Working Mode	PV(Photovoltaic priority) / AC (AC priorityoptional) 15Vdc-50Vdc
PV	Input Voltage Range Max. Charge Current Max. Conversion Efficiency
Display	LED graphic screen + LED lights 140Vac~275Vac 45-65 Hz (automatically transfer to invert mode when over frequency) 190Vac~245Vac
Mains status (Optional)	0.98 mains mode $\geq 96\%$ 10A warning until decrease load yes
Inverter Output	220V $\pm 3\%$ 50 Hz / 60Hz ± 0.3 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 system automatically shut down 1time/1S, silence auto after 5S RS232 (optional) universal sockets x 2/ customized 2 x USB 5V Output 4 X DC JACK Output optional 0°C ~40°C
Communication	Short Circuit Mains Abnormal Interface AC Output Sockets USB 5V DC Charger output DC 12V Output (DC Jack) Surge Protection Ambient Temperature Ambient Humidity Noise
Others	Machine Dimension Packing Dimension Qty/Ctn Packing G.W.

OFF-GRID APPLICATIONS



TYPICAL LOAD APPLICATIONS



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from Conceptual design to Completion**



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