



Solar Energy System



Plug & Play connections



Easy installation



Modular system



An independent power supply system producing a total of 3 kW of power (220 - 230 VAC / 50 Hz) 24/7, generated from PV panels during the day and batteries during the night.

The Solar Energy System is designed to provide power for the Lighting System, the Mechanical Fan and the Fire Alarm System. The setup is modular and plug and play, allowing maximum power delivery to the loads that are required for the [Rex Hall Mobile Storage Units](#).

Being modular in design means that the system can be easily upgraded based on your requirements.

› System specifications

Max. 3 kW / 220 - 230 VAC output

Max. 12 kWh / day available

- Complete plug & play kit consist of:
- » 10 pcs PV 330W $\pm 6\%$
 - » 3 kW inverter, Pure Sine Wave 220 - 230 VAC/50Hz output, 48VDC battery system with 60A MPPT charger built-in, input for grid/generator supply
 - » 8 pcs 12V/200Ah Gel batteries, with battery rack
 - » Inverter and charger and power switch board pre-installed in cabinet with plug and play connections
 - » Plug & Play color-coded wiring system to connect PV panels and battery bank to system cabinet
 - » PV mounting frame for mounting the PV panels on the Rexhall MSU (for all the tent sizes)
 - » Complete circuit protection.

The 3 kW system can be easily scaled up to meet higher power requirements, by combining multiple systems. The modularity of the system also allows power delivery just in case that a fault occur via the independent 3 kW systems. Customized systems available on request.

