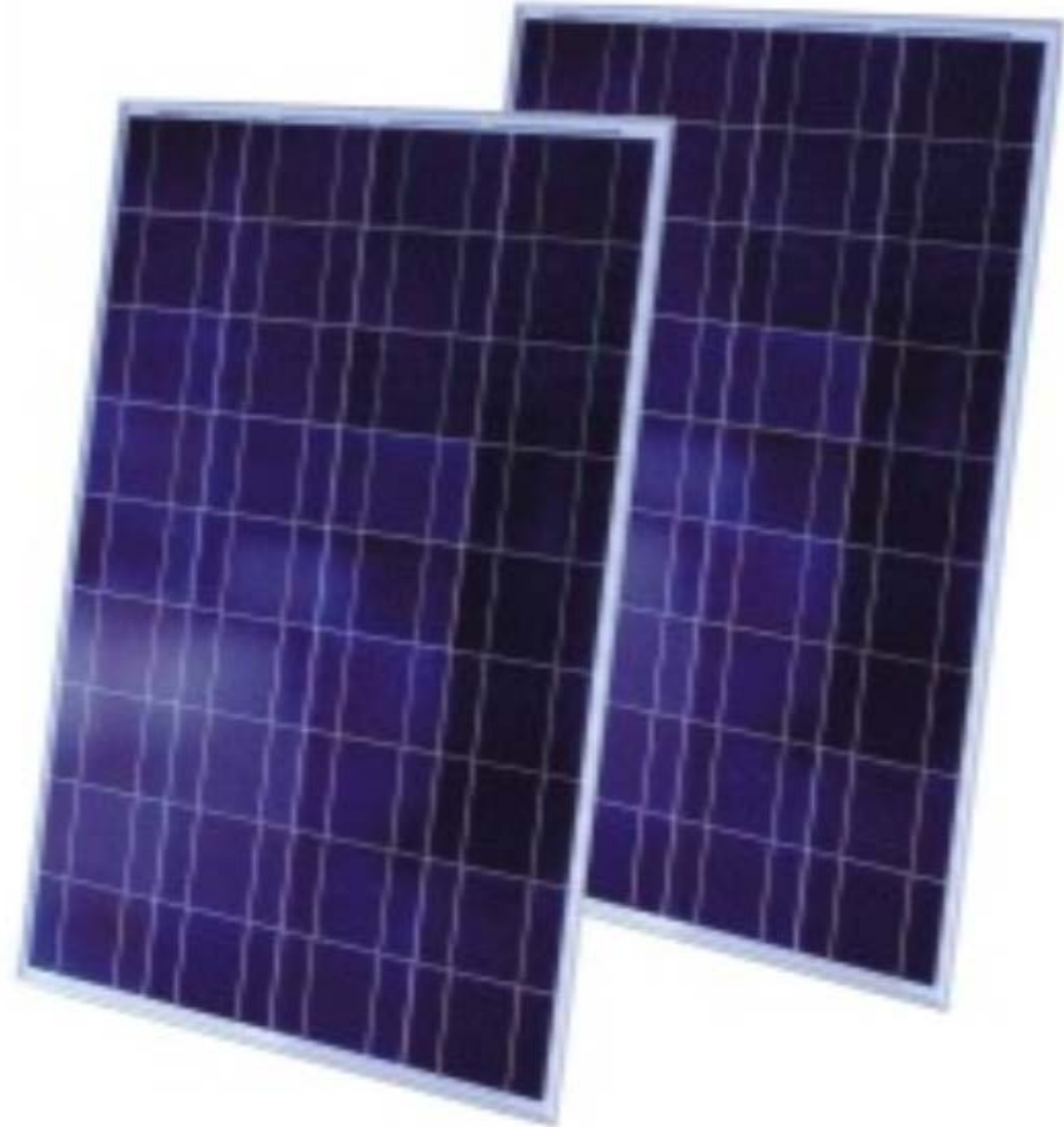




UTICA[®] Solar MobileGrid 500-500



Flexible

- Single phase operation, connectable in parallel and modularly extendable
- For systems from 500W to 5000W
- AC and DC coupling

Simple

- Easy commissioning with the “Quick Configuration Guide”
- Complete off & on-grid management

Efficient

- Intelligent battery management for maximum battery life
- High efficiency
- Charge level calculation

Robust

- Proactive temperature management system
- 12 months warranty
- Extreme overload capability

Solar Powered Generator

UTICA[®] Solar MobileGrid is an off-grid solar power system that works 24-hours a day, powered by photovoltaic modules, complementing your existing energy consumption and hence, reducing electricity bills and carbon footprint.

The easy deployable system makes commissioning within minutes possible. All required operational settings can be made quickly and easily in just a few steps. The UTICA[®] MobileGrid is powerful, extendable and takes on all control processes.

Its first-class intelligent power processing unit ensures maximum battery life. It also features impressive efficiency, a rugged metal enclosure and active cooling system. With an output rating of 230V and 50 Hz, the UTICA[®] MobileGrid is designed perfect for any location.

Technical Data	MobileGrid 500-500
Solar panel	
Max power	500W
Each Solar Module Size	1675 x 997 x 38 mm
Weight	18.5kg
Power/day	1.8kWh
AC output (loads)	
Nominal AC voltage (adjustable)	230V
Nominal frequency (adjustable)	50HZ
Continuous AC power at 25 °C / 45 °C (77 °F / 113 °F)	500 W
AC input (generator or grid)	
AC input voltage (range)	230V
AC input frequency (range)	50HZ
Battery DC input	
Battery voltage (range)	24V
Max. battery charging current / continuous charging current at 25 °C	120 A / 100 A
Capacity	24V,100Ah (2 x 12V100Ah)
Efficiency / operating consumption	
Max. efficiency	85%
Internal consumption with no load / standby	25 W / 4 W
Protection devices	
DC reverse polarity protection / DC fuse	●/●
AC short-circuit / AC overload	●/●
Overtemperature / excessive battery discharge	●/●
General data	
Inverter Dimensions (W / H / D) in mm (in) / Weight	215 x 145 x 420mm (10kg)
Operating temperature range	-25 °C ... +50 °C (-13 ° F ... +122 °F)
Protection rating (as per IEC 60529)	indoors
Each 12V100Ah Battery Size	407 x 174 x 233mm (30kg)
Battery Box Size (Optional)	450 x 470 x 320 mm
Features / function	
Operation & display / multifunction relays	internal / 2
3-phase systems / parallel connection	●/●
Integrated bypass / multicluster operation	—/ ●
Charge level calculation / full- / equalization charge	●/●/●
Integrated soft start / generator support	●/●
Battery temperature sensor / communication cables	●/●
Warranty: 1 / 5 / 10 / 15 years	●/○/○/○/○
Certificates and permits	www.utica.sg
Remarks	System integrated controller & inverter, simply connect the solar panels and batteries to the system, the system can work, easy for use. Structure for inverter is low frequency, and that for controller is PWM.

UTICA PV Mobile Grid 500 Series

- System capacity 0.5 kVA
- Indoor system
- Emergency backup power for communications
- Digital LED display indicates battery capacity status and total wattage
- UPS built-in
- Continuous electricity
- Surge protections
- 30m PV cable
- Integrated handles for easy transportation
- High efficiency – quick charge
- Roof or ground-mounted solar panels
- Air-condition, home appliances, washing machine, water heaters and satellite receivers

UTICA® Singapore
Tel: +65 62967787 Email: products@utica.sg
www.utica.sg

Solar Off-grid System

