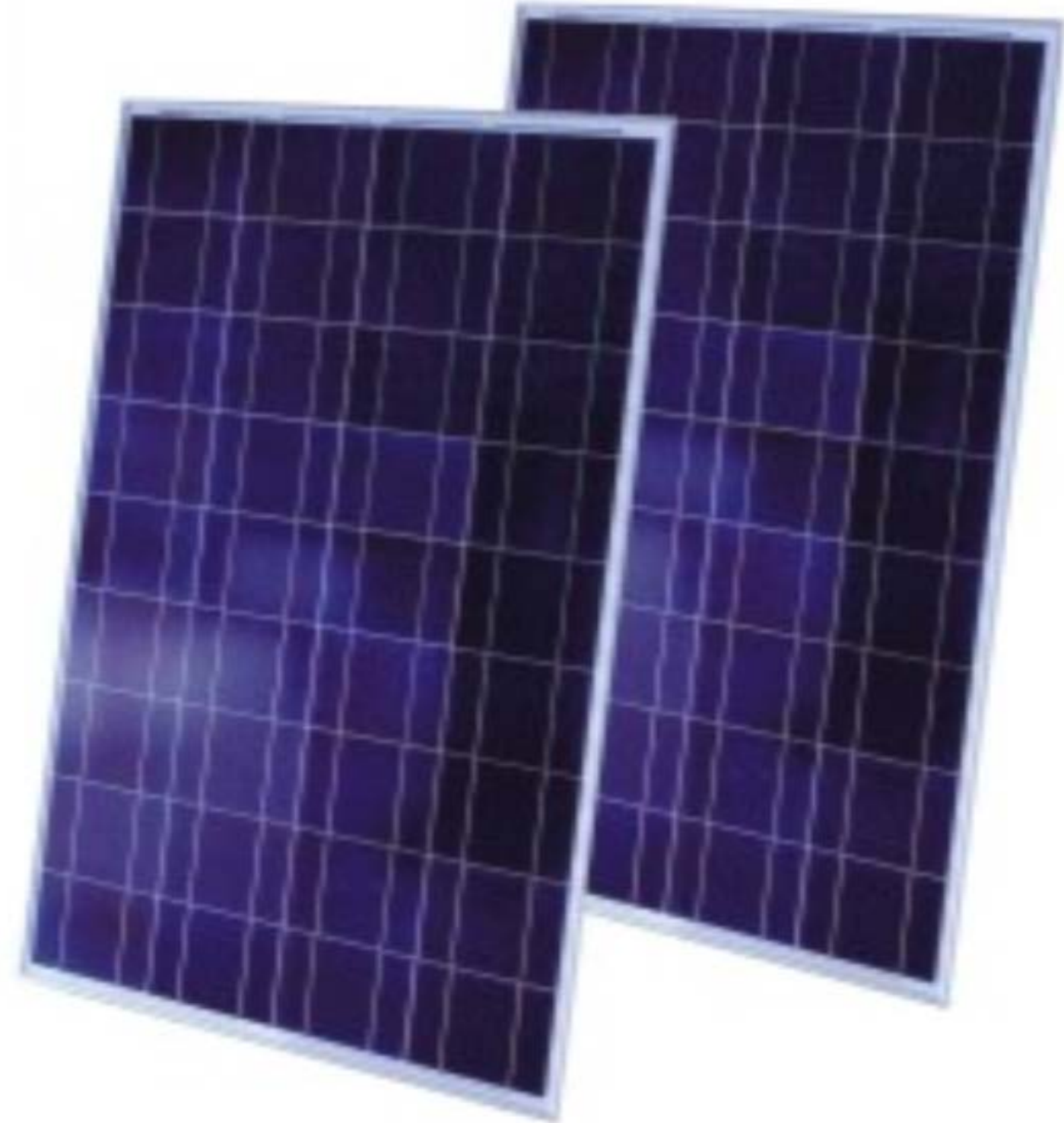




## UTICA<sup>®</sup> Solar MobileGrid 5000-5000



### 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> MobileGrid is designed perfect for any location.



Technical Data	MobileGrid 5000-5000
<b>Solar panel</b>	
Max power	5400W
Each Solar Module Size	2172 x 1303 x 30 mm
Weight	44.4kg
Power/day	17.5kWh
<b>AC output (loads)</b>	
Nominal AC voltage (adjustable)	230V
Nominal frequency (adjustable)	50HZ
Continuous AC power at 25 °C / 45 °C (77 °F / 113 °F)	5000 W
<b>AC input (generator or grid)</b>	
AC input voltage (range)	230V
AC input frequency (range)	50HZ
<b>Battery DC input</b>	
Battery voltage (range)	96V
Max. battery charging current / continuous charging current at 25 °C	120 A / 100 A
Capacity	96V,200Ah (16 x 12V100Ah)
<b>Efficiency / operating consumption</b>	
Max. efficiency	85%
Internal consumption with no load / standby	25 W / 4 W
<b>Protection devices</b>	
DC reverse polarity protection / DC fuse	●/●
AC short-circuit / AC overload	●/●
Overtemperature / excessive battery discharge	●/●
<b>General data</b>	
Inverter Dimensions (W / H / D) in mm (in) / Weight	500 x 490 x 240mm (45kg)
Operating temperature range	-25 °C ... +50 °C (-13 ° F ... +122 °F)
Protection rating (as per IEC 60529)	indoors
Each 12V100Ah Battery Size	307 x 215 x 169 mm (30kg)
Battery Box Size (Optional)	450 x 470 x 645 mm (2sets)
<b>Features / function</b>	
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	<a href="http://www.utica.sg">www.utica.sg</a>
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 5000 Series**

- System capacity 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

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Solar Off-grid System

