



## 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.

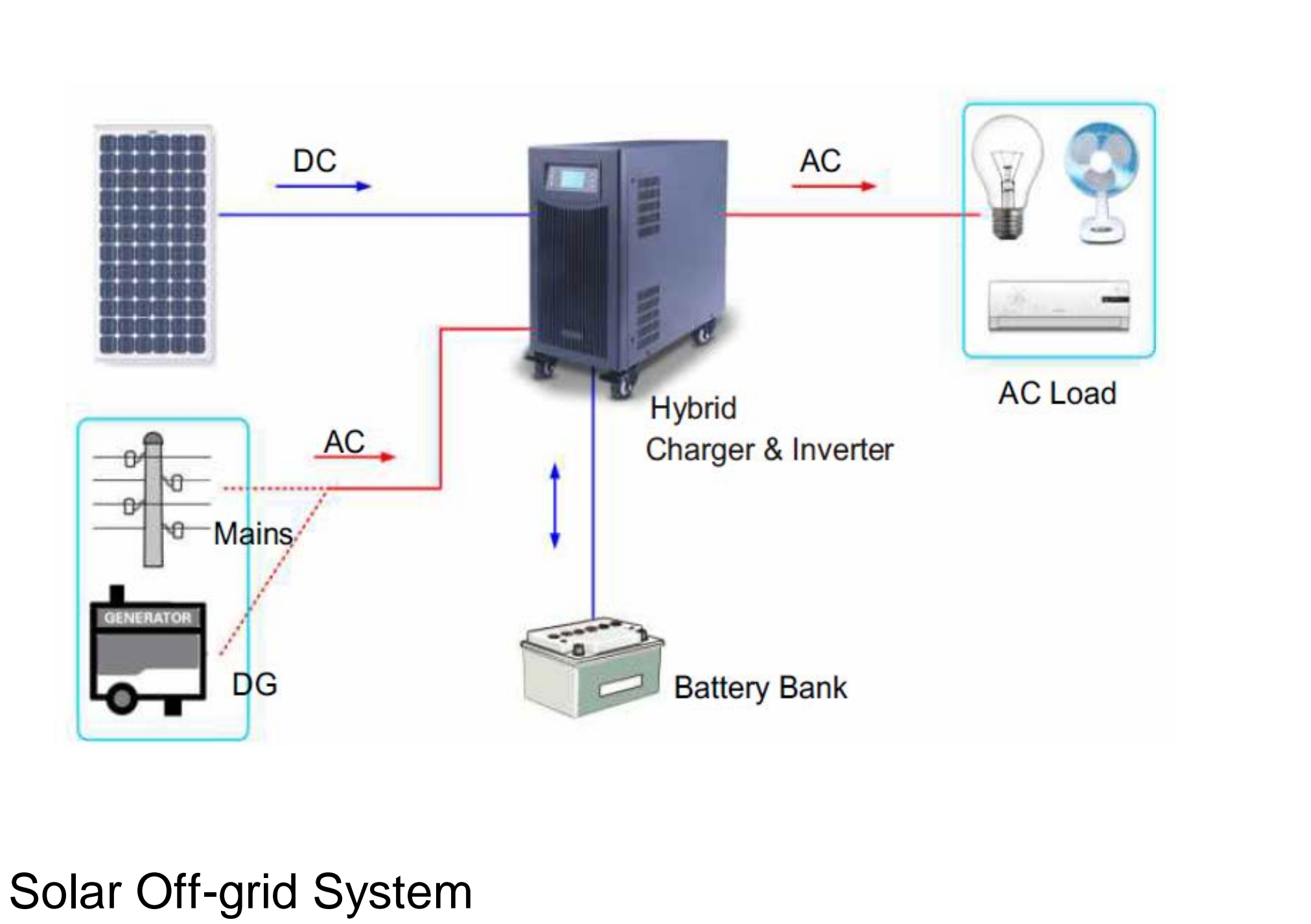


Technical Data
<b>Solar panel</b>
Max power
Each Solar Module Size
Weight
Power/day
<b>AC output (loads)</b>
Nominal AC voltage (adjustable)
Nominal frequency (adjustable)
Continuous AC power at 25 °C / 45 °C (77 °F / 113 °F)
<b>AC input (generator or grid)</b>
AC input voltage (range)
AC input frequency (range)
<b>Battery DC input</b>
Battery voltage (range)
Max. battery charging current / continuous charging current at 25 °C
Capacity
<b>Efficiency / operating consumption</b>
Max. efficiency
Internal consumption with no load / standby
<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
Operating temperature range
Protection rating (as per IEC 60529)
Each 12V100Ah Battery Size
Battery Box Size (Optional)
<b>Features / function</b>
Operation & display / multifunction relays
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
Remarks

<b>UTICA PV Mobile Grid 5000 Series</b> <ul style="list-style-type: none"> <li>• System capacity 5 kVA</li> <li>• Indoor system</li> <li>• Emergency backup power for communications</li> <li>• Digital LED display indicates battery capacity status and total wattage</li> <li>• UPS built-in</li> <li>• Continuous electricity</li> <li>• Surge protections</li> <li>• 30m PV cable</li> <li>• Integrated handles for easy transportation</li> <li>• High efficiency – quick charge</li> <li>• Roof or ground-mounted solar panels</li> <li>• Air-condition, home appliances, washing machine, water heaters and satellite receivers</li> </ul>
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**UTICA® Singapore**  
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**www.utica.sg**

MobileGrid 5000-5000
5000W
1675 x 997 x 38 mm
18.5kg
18kWh
230V
50HZ
5000 W
230V
50HZ
96V
120 A / 100 A
96V,200Ah (16 x 12V100Ah)
85%
25 W / 4 W
●/●
●/●
●/●
490 x 240 x 500mm (22kg)
–25 °C ... +50 °C (–13 ° F ... +122 °F)
indoors
407 x 174 x 233mm (30kg)
780 x 470 x 645 mm (2sets)
internal / 2
●/●
—/ ●
●/●/●
●/●
●/●
●/○/○/○/○
<a href="http://www.utica.sg">www.utica.sg</a>
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.



Solar Off-grid System