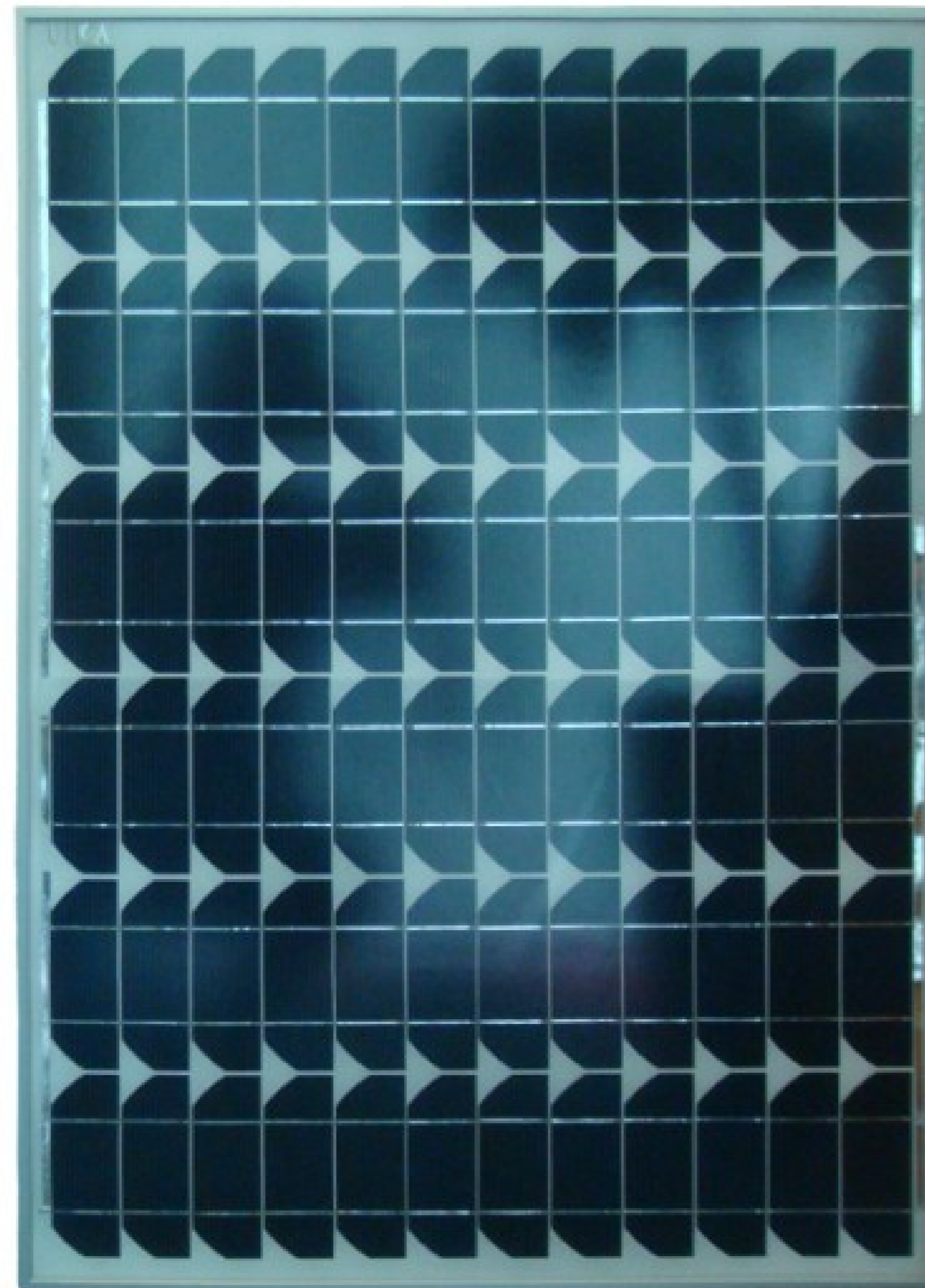


UTICA[®] Solar MobileGrid 500-200



Flexible

- For systems from 500W to 5000W

- 1phase operation, connectable in parallel and modularly extendable

- AC and DC coupling

Simple

- Easy commissioning with the "Quick Configuration Guide"

- Complete off & on-grid management

Efficient

- High efficiency

- Intelligent battery management for maximum battery life

- Charge level calculation

Robust

- Extreme overload capability

- Proactive temperature management system

- 2-year warranty

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.

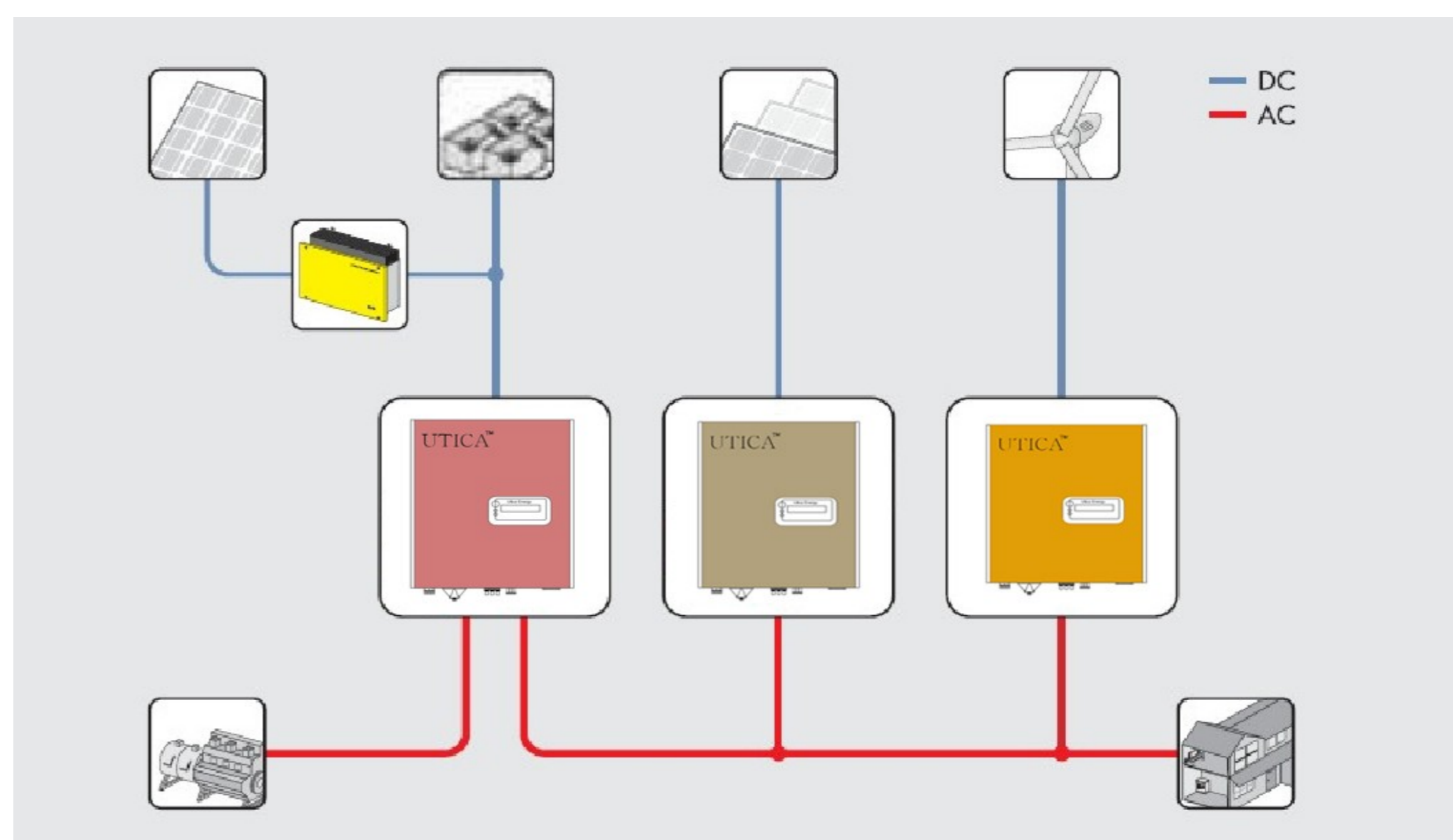
The easy deployable system makes commissioning within minutes possible. All required operational settings can be made quickly and easily in just a few steps. The UTICA[®] MobileGrid is powerful, extendable and takes on all control processes.

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 500-200 |
|--|---|
| Solar panel | |
| Max power | 200W |
| Power/day | 700WH |
| 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 |
| THD output voltage / power factor (cos φ) | <5% |
| 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 (77 °F) | 120 A / 100 A |
| Battery type | lead-acid battery |
| Capacity | 24V,100Ah |
| 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) | 400*428*88 |
| Inverter Weight | 15KG |
| Operating temperature range | -25 °C ... +50 °C (-13 ° F ... +122 °F) |
| Protection rating (as per IEC 60529) | indoors |
| 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: 2 / 5 / 10 / 15 years | ●/○/○/○/○ |
| Certificates and permits | www.utica.sg |
| Accessories | |
| Battery cables / battery fuses | ○/○ |
| Interfaces (RS485 / Multicluster PB) | ○/○ |
| "GenMan" extended generator start | ○ |
| Load-shedding contactor / battery current measurement | ○/○ |
| ● Standard features ○ Optional features — Not available | |
| Last revision: January 2013 | |
| 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 500VA
- Indoor system
- High efficient Compact
- Rugged and extremely portable
- Effective and efficient
- Plug & play quick installation
- Backup generator for disasters and outages



Solar Off-grid System

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UTICA™