



### UTICA PV MobileGrid 4000 Series

- System capacity 4kVA
- 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 4000-2400

#### UTICA 4000-2800

#### UTICA 4000-3200

|                               |   | UTICA 4000-2400                          | UTICA 4000-2800                           | UTICA 4000-3200                          |
|-------------------------------|---|--|---|--|
| <b>Capacity</b>               |   | 4000VA                                   |   |  |
| System Voltage                |   | 48V                                      |   |  |
| <b>Solar Panel Data</b>       |   |  |   |  |
| Total power (Watt Peak)       |   | 2400Wp (100W, 24pcs)                     | 2800Wp (100W, 28pcs)                      | 3200Wp (100W, 32pcs)                     |
| Connection                    |   | 4pcs in series and 6 strings in parallel | 4pcs in series, and 7 strings in parallel | 4pcs in series and 8 strings in parallel |
| Voltage (V) & Current (A)     |   | 68.8/34.92                               | 68.8/40.74                                | 68.8/46.56                               |
| <b>100W Solar Panel Data</b>  |   |  |   |  |
| Maximum Power Voltage (V)     |   | 17.2                                     |   |  |
| Maximum Power Current (A)     |   | 5.82                                     |   |  |
| Open Circuit Voltage (V)      |   | 21.89                                    |   |  |
| Short Circuit Current (A)     |   | 6.26                                     |   |  |
| Number Of Cells (Pcs)         |   | 72 ( 6x12)                               |   |  |
| Maximum System Voltage (V)    |   | 1000                                     |   |  |
| Size Of Module (mm)           |   | 963 x 805 x 35                           |   |  |
| Cell Efficiency (%)           |   | 15.5                                     |   |  |
| Weight Per Piece (kg)         |   | 10.5                                     |   |  |
| <b>CPU Data</b>               |   |  |   |  |
| Solar Controller              | Rated Voltage (V)   | 48                                       | 48  | 48                                       |
|                               | Max Load Current (A)  | 40                                       | 50  | 50                                       |
|                               | Full Charge Cut (V)   | 54.8,Default Value, Can Be Reset         | 54.8Default Value, Can Be Reset           | 54.8Default Value, Can Be Reset          |
|                               | Low Voltage Cut (V)   | 42,Default Value, Can Be Reset           | 42,Default Value, Can Be Reset            | 42,Default Value, Can Be Reset           |
| PV Inverter                   | Solar Panel Input Voltage (V)   | 80                                       | 80  | 80                                       |
|                               | Output Voltage (V)  | 220VAC±2%                                | 220VAC±2%                                 | 220VAC±2%                                |
|                               | Output Frequency  | 50HZ±0.5                                 | 50HZ±0.5                                  | 50HZ±0.5                                 |
|                               | Output Current  | 18.2A                                    | 18.2A                                     | 18.2A                                    |
|                               | Output Waveform   | Pure Sine Wave                           | Pure Sine Wave                            | Pure Sine Wave                           |
|                               | THD Distortion  | ≤3% linear load; non-linear load<5%      | ≤3% linear load; non-linear load<6%       | ≤3% linear load; non-linear load<7%      |
|                               | Response Time   | < 10ms                                   | < 10ms                                    | < 10ms                                   |
|                               | Overload Ability  | 120%,30 Seconds                          | 120%,30 Seconds                           | 120%,30 Seconds                          |
|                               | Efficiency of Inverter  | ≥91.6% linear load                       | ≥91.6% linear load                        | ≥91.6% linear load                       |
|                               | Best Output Power Per Day   | 12000WH                                  | 14000WH                                   | 16000WH                                  |
| Max Output Power Per Day      | 14400WH   | 19200WH                                  | 19200WH                                   |  |
| Indication Function (LCD)     | PV Inverter Output Voltage, Output Frequency, Battery Voltage Value, and Operation Display  |  |   |  |
| Cooling                       | Forced Air Ventilation  | Forced Air Ventilation                   | Forced Air Ventilation                    |  |
| Related Humidity              | 0%-90%(no condensation)   | 0%-90%(no condensation)                  | 0%-90%(no condensation)                   |  |
| Protection Function           | Overload, Short-Circuit, Under-Voltage, Overvoltage, Over-Temp  |  |   |  |
| Operation Temperature         | -10-50°C  | -10-50°C                                 | -10-50°C                                  |  |
| Size (mm)                     |   | 555 x 180 x 496                          |   |  |
| Weight Without Batteries (Kg) | 35  | 35                                       | 35  |  |
| <b>Battery Data</b>           |   |  |   |  |
| Model                         |   | 12V, 100Ah (2pcs)<br>12V, 50Ah (2pcs)    | 12V, 100Ah (4pcs)                         | 12V, 100Ah (4pcs)                        |
| Connection                    |   | 4 units in series                        | 4 units in series                         | 4 units in series                        |
| Capacity                      |   | 48V,300Ah                                | 48V,400Ah                                 | 48V,400Ah                                |
| <b>Load Reference</b>         | Color TV、LCD Computer、Energy-saving lamp、electric fan、Printer、Electrograph、Water Pump、Refrigeratory、Washing machine、Rice cooker、Air-condition |  |   |  |