

# STABIMATIC®



STB-PV 4200

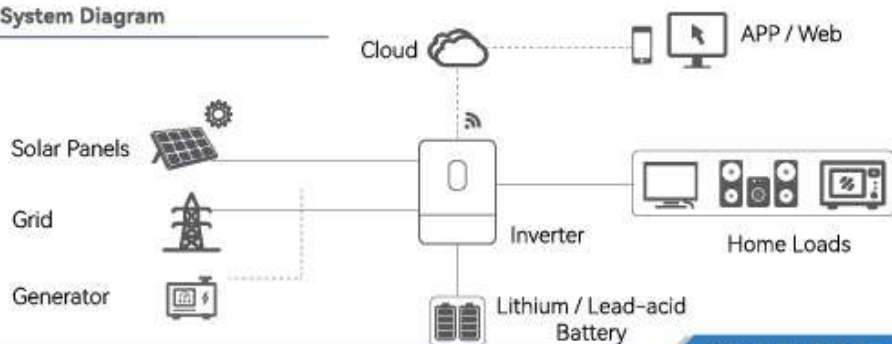
STB-PV 6000DP

## SOLAR Hybrid Inverter

Off-Grid, Single-Phase

- Built-in Solar Charger
- Wide MPPT Range
- Workable with Generator
- BMS Support Lithium/Lead-acid Battery
- Lithium Battery Activation
- Detachable Dust Cover

### System Diagram



STABIMATIC Co.,Ltd, UK

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## SOLAR INVERTER

| Model                              | STB-PV 4200  | STB-PV 6000DP                     |
|------------------------------------|--|-----------------------------------|
| <b>AC Input</b>                    |  |                                   |
| Rated Input Voltage (VAC)          | 208 / 220 / 230 / 240; L + N + PE  | 208 / 220 / 230 / 240; L + N + PE |
| Voltage Range (VAC)                | 90-280±3 (normal mode); 170-280±3 (UPS mode)                                 |                                   |
| Frequency (Hz)                     | 50 / 60 (Auto Adaptive)  | 50 / 60 (Auto Adaptive)           |
| <b>AC Output</b>                   |  |                                   |
| Rated Capacity                     | 4.2kVA/4kW   | 6.2kVA / 6kW                      |
| Surge Power (kVA)                  | 8  | 10                                |
| Voltage (VAC)                      | 208 / 220 / 230 / 240  | 208 / 220 / 230 / 240             |
| Frequency                          | 50/60Hz±0.1%   | 50/60Hz±0.1%                      |
| Parallel Quantity                  | NA   | 9                                 |
| Switch Time (ms)                   | 10   | 10                                |
| Wave Form                          | Pure Sine Wave   | Pure Sine Wave                    |
| Overload Capacity (Battery Mode)   | *60s@102%~110% load; 10s@110%~130% load; 3s@130%~150% load; 0.2s@>150% load" |                                   |
| Max. Efficiency (Battery Mode)     | 92.7%@24VDC  | 93%@48VDC                         |
| <b>Charger (PV / AC)</b>           |  |                                   |
| Solar Charger Type                 | MPPT   | MPPT                              |
| Max PV input Current / Input Power | 18A / 5000W  | 18A / 6000W                       |
| MPPT Range@Operating Voltage (VDC) | 40-450   | 120-450                           |
| Max PV Open Circuit Voltage (VDC)  | 500  | 500                               |
| Max PV Charge Current (A)          | 100  | 100                               |
| Max AC Charge Current (A)          | 100  | 80                                |
| Max. Charge Current (A)            | 100  | 100                               |
| <b>Battery</b>                     |  |                                   |
| Rated Voltage (VDC)                | 24   | 48                                |
| Floating Charge Voltage (VDC)      | 27   | 54                                |
| Overcharge Protection (VDC)        | 31   | 61                                |
| Battery Type                       | Lithium and Lead-acid  | Lithium and Lead-acid             |
| <b>Interface</b>                   |  |                                   |
| HMI                                | LOD  | LOD                               |
| Interface                          | RS485 / RS232 / Dry Contact  | RS485 / RS232 / USB / Dry Contact |
| Monitoring                         | WiFi (Optional)  | WiFi (Optional)                   |
| <b>General Data</b>                |  |                                   |
| Ingress Protection                 | IP21   | IP21                              |
| Operating Temperature              | -10C- 50C  | -10C- 50C                         |
| Relative Humidity                  | 5% - 95% (Non-condensing)  | 5% - 95% (Non-condensing)         |
| Storage Temperature                | -15C- 60C  | -15C- 60C                         |
| Net Weight(kg)                     | 6.4  | 9.5                               |
| Dimension(W*H*D)                   | 420*284*99mm (without bracket)   | 510*306*122mm (without bracket)   |
| Max. Operating Altitude            | 4000m (Derating above 1000m)   | 4000m (Derating above 1000m)      |



SCAN ME

- Workable with Generator
- Feed-in to Grid
- WiFi Monitoring(optional)
- Complete CE Certificate

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