

SolarTrunk

Micro Hybrid Storage Unit

TSOL-MSU4000Lite



TSOL-MSU4000Lite
+B2000Lite/B4000Lite



Zero Export



Time-of-use Control



Bidirectional Inverter
Technology



Parallel Output for
Single/Three-phase Grids



Dynamic Tariff
Applicable



Battery Optimizer



Supports Black Start
via PV or Grid



Power Bypass Mode
(PV-first supply)

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Technical Data

| Model | TSOL-MSU4000Lite |
|---------------------------------------|--|
| PV Input (PV) | |
| Max. PV Input Power (W) | 2800 |
| Max. Input Voltage per Input (V) | 60 |
| Operating Voltage Range per Input (V) | 16 ~ 60 |
| Quantity of PV Module | 4 |
| Battery (DC) | |
| Battery Type | LiFePO ₄ |
| Battery Capacity (kWh) | 4 |
| Max. System Capacity (kWh) | 20 |
| Nominal Voltage (V) | 51.2 |
| Life Cycle | 10,000 ^[1] |
| AC Port (On-grid) | |
| Max. AC Output Power (W) | 800 ^[2] / 2500 ^[3] |
| Max. AC Input Power (W) | 2500 ^[4] |
| Nominal AC Voltage (V) | 220 / 230 / 240 |
| Nominal AC Frequency (Hz) | 50 / 60 |
| AC Port (Off-grid) | |
| Max. AC Output Power (W) | 2500 ^[5] |
| Nominal AC Voltage (V) | 220 / 230 / 240 |
| Nominal AC Frequency (Hz) | 50 / 60 |
| Switch Time (ms) | ≤10 |
| General Data | |
| Dimensions (W × H × D mm) | 583 × 410 × 395 |
| Weight (kg) | 48 |
| Communication Mode | WiFi (Bluetooth) + RS485 |
| Protection Degree (IP Rating) | IP65 |
| Cooling Method | Natural Convection |
| Operating Temperature Range | -20 ~ 55°C |
| Relative Humidity | 0 ~ 95%, Non condensing |
| Max. Operating Altitude (m) | 2000 |
| Protection Level | I |
| Overtoltage Category | II (DC); III(AC) |

[1] Designed for a lifespan of 10,000 cycles at 25 °C ambient temperature.

[2] According to the legal requirements of certain countries, output load limits are implemented to 800W.

[3] The PV Input should be greater than or equal to 500W.

[4] The EPS load should be greater than or equal to 500W.

[5] The PV Input or AC Input should be greater than or equal to 500W.

Technical Data

| Model | TSOL-B2000Lite | TSOL-B4000Lite |
|-------|----------------|----------------|
|-------|----------------|----------------|

Battery Specifications

| | | |
|------------------------|-----------------------|---|
| Battery Type | LiFePO ₄ | |
| Battery Capacity (kWh) | 2 | 4 |
| Nominal Voltage (V) | 51.2 | |
| Life Cycle | 10,000 ^[1] | |

General Data

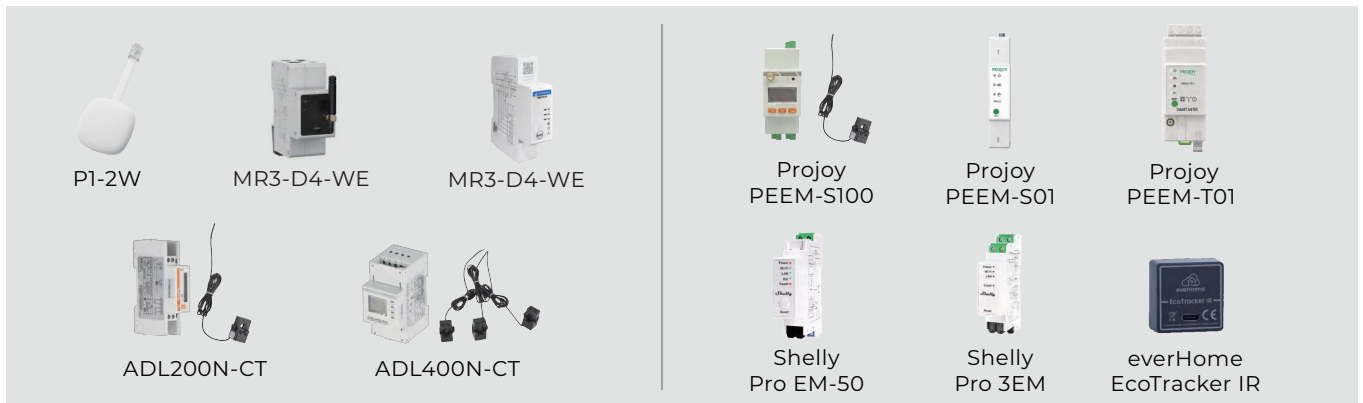
| | | |
|-------------------------------|----------------------------|----|
| Dimensions (W×H×D mm) | 583 × 333 × 375 | |
| Weight (kg) | 26 | 35 |
| Protection Degree (IP Rating) | IP65 | |
| Cooling Method | Natural Convection Cooling | |
| Operating Temperature Range | -20 ~ 55°C | |
| Relative Humidity | 0 ~ 95%, Non condensing | |
| Max. Operating Altitude (m) | 2000 | |

[1] Designed for a lifespan of 10,000 cycles at 25 °C ambient temperature.

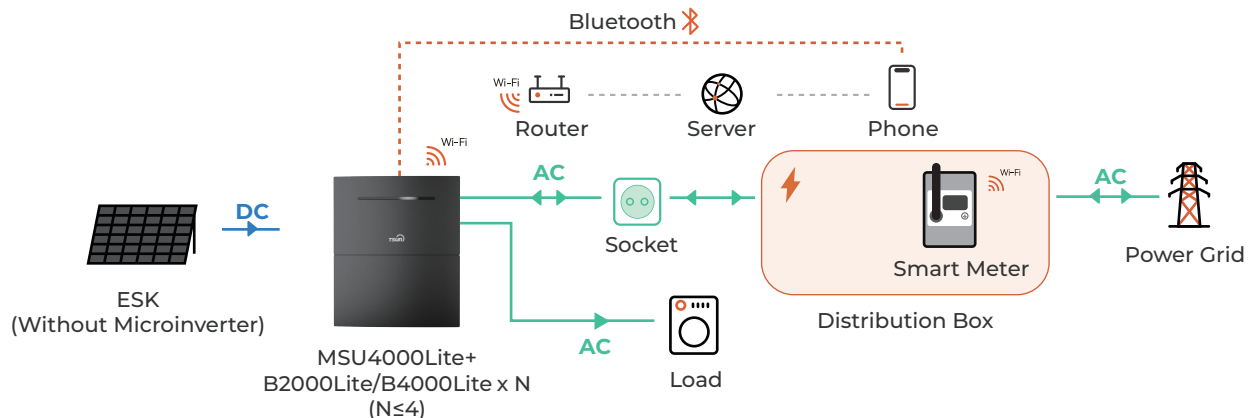
Related Products



Smart Accessories



Diagram



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MORE SAFETY MORE POWER

