

# PowerTrunk

Micro AC Coupled Unit

TSOL-MAU2000/MAU2000DE



**TSOL-MAU2000+B2000**



VDE 4105

EN 50549-10

UN38.3



Zero Export



-20°C ~ +55°C Working  
Temperature Range



All-in-one Unit



Built-in WiFi, Bluetooth  
APP Remote Monitoring



Charge from Grid &  
Discharge to load

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# Technical Data

| Model                               | TSOL-MAU2000                                   |  | TSOL-MAU2000DE |
|-------------------------------------|------------------------------------------------|--|----------------|
| Battery (DC)                        |                                                |  |                |
| Battery Capacity (Wh)               | 2048                                           |  |                |
| Battery Type                        | LiFePO <sub>4</sub>                            |  |                |
| Nominal Voltage (V)                 | 51.2                                           |  |                |
| Operating Voltage Range (V)         | 43.2 – 58.4                                    |  |                |
| Max. Discharge Power (W)            | 2000                                           |  |                |
| Max. Charge Power (W)               | 2000                                           |  |                |
| Max. System Capacity (kWh)          | 10.24 (1 MAU + 4 x Stackable Battery)          |  |                |
| AC Port (On-grid)                   |                                                |  |                |
| Max. AC Output Power (W)            | 2000                                           |  | 800            |
| Max. AC Output Current (A)          | 10                                             |  | 4              |
| Max. AC Input Power (W)             | 2000                                           |  |                |
| Max. AC Input Current (A)           | 11                                             |  |                |
| Nominal AC Voltage (V)              | 220 / 230 / 240, L / N / PE                    |  |                |
| Nominal AC Frequency (Hz)           | 50 / 60                                        |  |                |
| Power Factor                        | > 0.99 default 0.8 leading ... 0.8 lagging     |  |                |
| THDI                                | ≤ 3 %@100 % Load                               |  |                |
| AC Port (Off-grid) (Optional)       |                                                |  |                |
| Max. AC Output Power (W)            | 2000                                           |  |                |
| Max. AC Output Current (A)          | 10                                             |  |                |
| Nominal AC Voltage (V)              | 220 / 230 / 240, L / N / PE                    |  |                |
| Nominal AC Frequency (Hz)           | 50 / 60                                        |  |                |
| Switch Time (ms)                    | < 20                                           |  |                |
| Efficiency                          |                                                |  |                |
| Battery Charge/Discharge Efficiency | 95 % / 95 %                                    |  |                |
| Consumption (Without Load)          | < 25 W                                         |  |                |
| Self-consumption (Device Shutdown)  | < 1 W                                          |  |                |
| Mechanical Data                     |                                                |  |                |
| Dimensions (W×H×D mm)               | 455 x 325 x 280 (MAU) / 455 x 205 x 280(B2000) |  |                |
| Weight (kg)                         | 26.5 kg                                        |  |                |

# Technical Data

| Model | TSOL-MAU2000 | TSOL-MAU2000DE |
|-------|--------------|----------------|
|-------|--------------|----------------|

## General Data

|                                              |                                            |
|----------------------------------------------|--------------------------------------------|
| Communication                                | Server : WiFi (Bluetooth) / Battery: RS485 |
| Extra Communication Ports                    | 2 x RS485 (Meter+Reserve)                  |
| Ingress Protection                           | IP65                                       |
| Cooling                                      | Natural Convection                         |
| Operating Ambient Temperature Range          | -20 to +55 °C (Load shedding over 45 °C)   |
| Relative Humidity                            | 0 – 95%, Non Condensing                    |
| Max. Operating Altitude Without Derating (m) | 2000                                       |
| Display                                      | SOC Light                                  |
| Type of Isolation                            | Reinforced Insulation                      |
| Protection Class                             | I                                          |

## Related Products

Micro AC Coupled Unit (MSU)

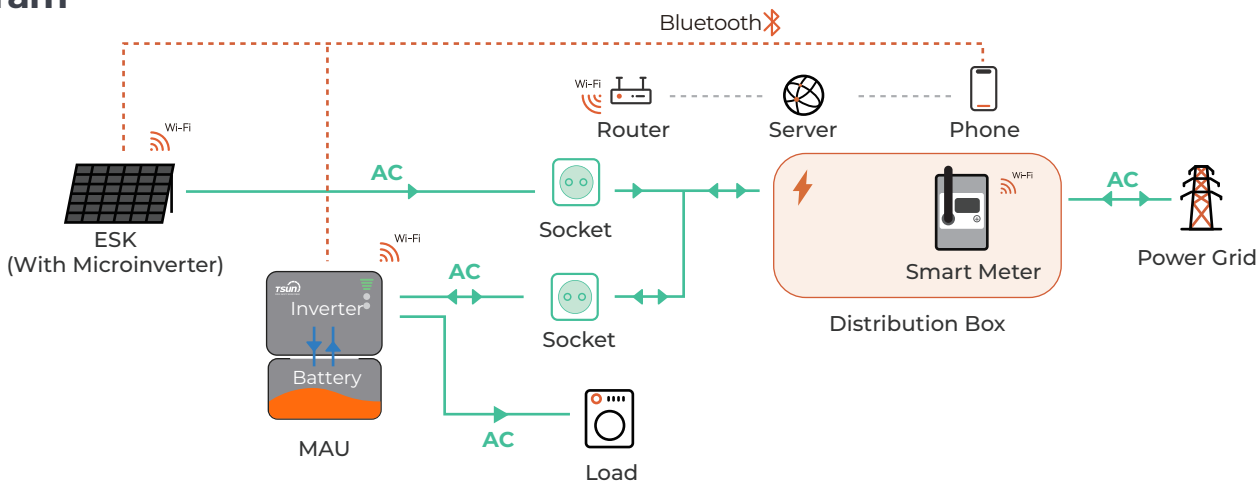
Battery Pack (B2000)

Easy Solar Kit (Without Microinverter)

Smart Meter (WiFi-CT Connected)

Smart Meter (RS485-CT Connected)

## Diagram



MORE SAFETY MORE POWER



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