

PowerTrunk

Micro AC Coupled Unit
TSOL-MAU5000Lite



All-in-one Unit



Charge from Grid &
Discharge to Load



Parallel Output for
Single/Three-phase Grids



Flexible Expansion



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



Built-in WiFi, Bluetooth
APP Remote Monitoring



Coupled System of
Microinverter and Energy Storage



Battery Optimizer

TSUNESS Co.,Ltd

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Technical Data

Model	TSOL-MAU5000Lite
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Battery (DC)

Battery Type	LiFePO ₄
Battery Capacity (Wh)	5024
Operating Voltage Range (V)	350 ~ 450
Max. System Capacity (kWh)	25.1 (1 MAU5000Lite + 4 B5000Lite)
Life Cycle	10,000 ^[1]

AC Port (On-grid)

Max. AC Output Power (W)	6000
Max. AC Input Power (W)	6000
Nominal AC Voltage (V)	220 / 230 / 240, L / N / PE
Nominal AC Frequency (Hz)	50 / 60

AC Port (Off-grid)

Max. AC Output Power (W)	7400
Nominal AC Voltage (V)	220 / 230 / 240, L / N / PE
Nominal AC Frequency (Hz)	50 / 60
Switch Time (ms)	≤10

General Data

Dimensions (W × H × D mm)	635 × 272 × 288
Weight (kg)	52
Communication	WiFi (Bluetooth) + RS485
Ingress Protection	IP65
Cooling	Natural Convection
Operating Temperature Range	-20 ~ + 55°C
Relative Humidity	0 ~ 95%, Non condensing
Max. Operating Altitude [m]	2000
Protection Class	I
Overvoltage Category	II (DC); III(AC)

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

Technical Data

Model	TSOL-B5000Lite
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Battery Specifications

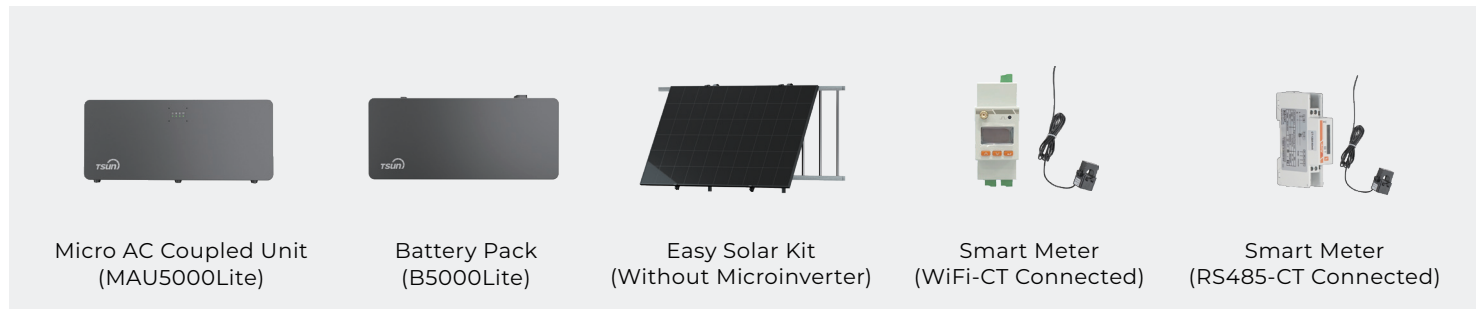
Battery Type	LiFePO ₄
Battery Capacity (Wh)	5024
Operating Voltage Range (V)	350 ~ 450
Life Cycle	10,000 ^[1]

General Data

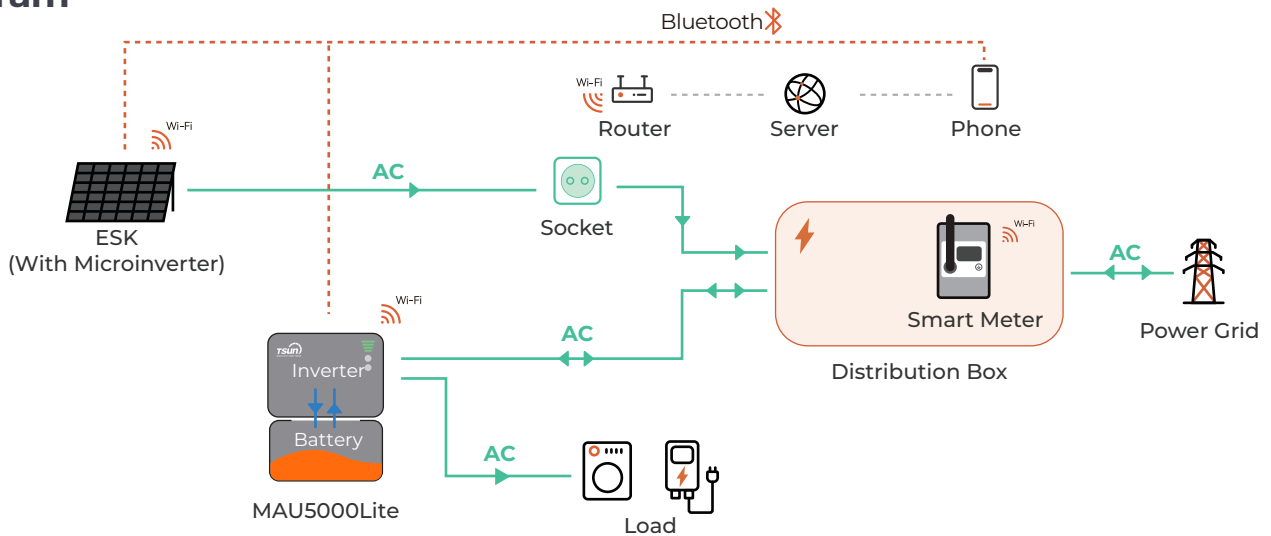
Dimensions (W × H × D mm)	635 × 272 × 226
Weight (kg)	40
Ingress Protection	IP65
Cooling	Natural convection
Operating Ambient Temperature Range	-20 ~ +55 °C
Relative Humidity	0 ~ 95%, Non condensing
Max. Operating Altitude (m)	2000

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

Related Products



Diagram



MORE SAFETY MORE POWER



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