

PowerTrunk

Micro AC Coupled Unit
TSOL-MAU5000Lite



MAU5000 Lite is an AC-coupled all-in-one storage system for upgrading existing PV systems and enabling seamless PV + storage integration.



Zero Export



Time-of-use Control



Bidirectional Inverter
Technology



Parallel Output for
Single/Three-phase Grids



Dynamic Tariff
Applicable



Grid-forming capability
(the off-grid port paired
with grid-tie inverter)



Battery Optimizer



Supports Black Start
via PV or Grid

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Technical Data

Model	TSOL-MAU5000Lite	
	Pro	Plug & Play
Battery (DC)		
Battery Type	LiFePO ₄	
Battery Capacity (Wh)	5024	
Cell Type	314 Ah	
Max. System Capacity (kWh)	25.1 (1 MAU5000Lite + 4 B5000Lite)	
Life Cycle	10,000 ^[1]	
AC Port (On-grid)		
Max. AC Output Power (kW)	0.8 ^[2] /2.5/3/3.6/4.0/4.6/5.0/6.0	0.8 ^[2] /2.5/3/3.6
Max. AC Input Power (kW)	9	3.6
Nominal AC Voltage (V)	220 / 230 / 240, L / N / PE	
Nominal AC Frequency (Hz)	50 / 60	
AC Port (Off-grid)		
Max. AC Output Power (kW)	6	3.6
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.

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

Technical Data

Model	TSOL-B5000Lite
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Battery Specifications

Battery Type	LiFePO ₄
Battery Capacity (Wh)	5024
Cell Type	314 Ah
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.

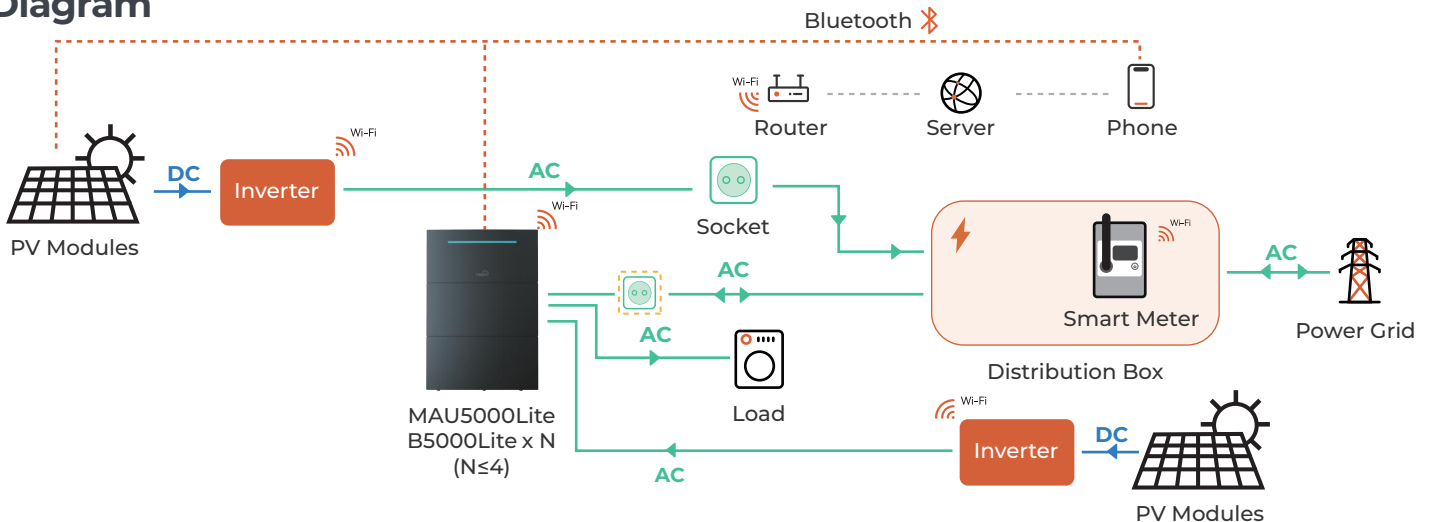
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Smart Accessories



Diagram



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