PowerTrunk

Micro AC Coupled Unit

TSOL-MAU5000Elite

MORE SAFETY MORE POWER





MAU5000Elite 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-MAU5000Elite	
	Pro	**Plug & Play**
Battery (DC)		
Battery Type	$LiFePO_4$	
Battery Capacity (Wh)	5024	
Cell Type	314 Ah	
Max. System Capacity (kWh)	25.1 (1 MAU5000Elite + 4 B5000Elite)	
Life Cycle	10,000[1]	
AC Port (On-grid)		
Max. AC Output Power (kW)	3/3.6/4/4.6/5/6	0.8[2]/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.

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Technical Data

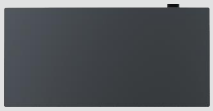
Model	TSOL-B5000Elite
Battery Specifications	
Battery Type	$LiFePO_4$
Battery Capacity (Wh)	5024
Cell Type	314 Ah
Life Cycle	10,000[1]
General Data	
Dimensions (W × H × D mm)	635 × 272 × 226
Weight (kg)	40
Ingress Protection	IP65
Cooling	Natural convection
Operating Ambient Temperature Range	-20 ~ +55 °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.

Related Products



Micro AC Coupled Unit
(MAU5000Elite)



Battery Pack
(B5000Elite)



Easy Solar Kit
(Without Microinverter)



AC End Cable
(2m)

or



AC Connector
(On-grid)



AC Connector
(Off-grid)



2 x RS485
Connector



Installation Kits



Tool



2 x Expansion
Screw



AC End Cable
(5 m/10 m/15 m)



RS485 Cable
(Dispatch)



RS485 Cable
(Meter)

Standard Accessories Optional Accessories

Smart Accessories



P1-2W



MR3-D4-WE



MR3-D4-WE



ADL200N-CT



ADL400N-CT



Projoy
PEEM-S100



Projoy
PEEM-S01



Projoy
PEEM-T01



Shelly
Pro EM-50



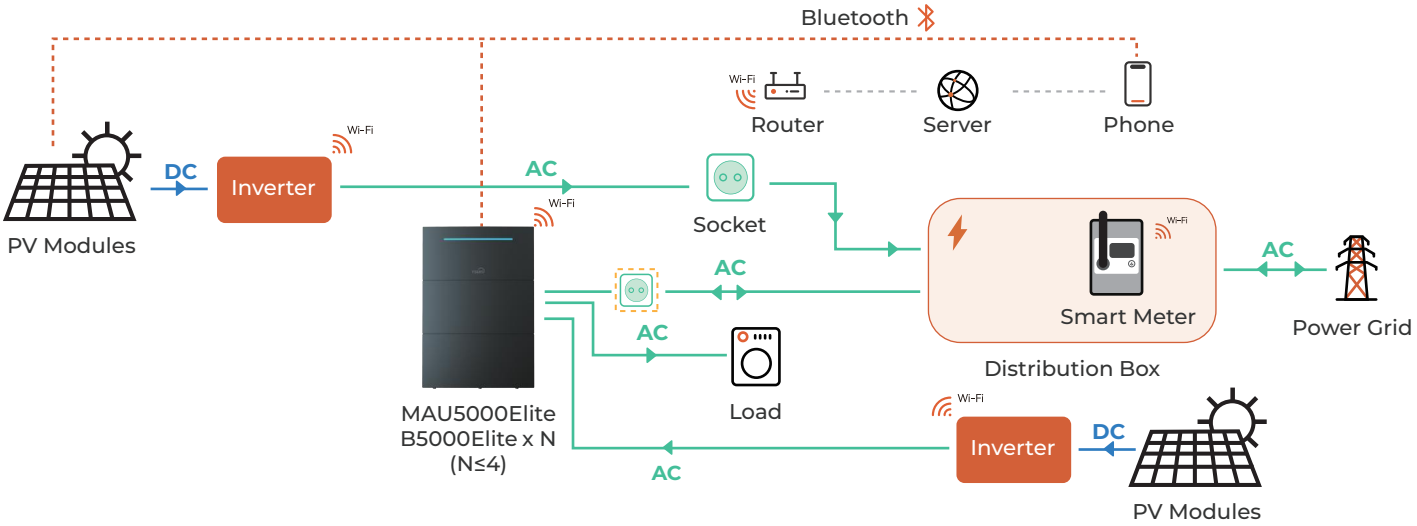
Shelly
Pro 3EM



everHome
EcoTracker IR

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System Diagram



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