

PowerTrunk Micro AC Coupled Unit

TSOL-MAU5000



TSOL-MAU5000



Zero Export



Dynamic Tariff
Applicable



Time-of-use Control



Bidirectional Inverter
Technology



Parallel Output for
Single/Three-phase Grids



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

TSUNESS Co., Ltd

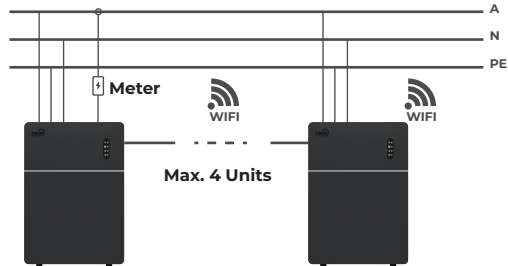
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Technical Data

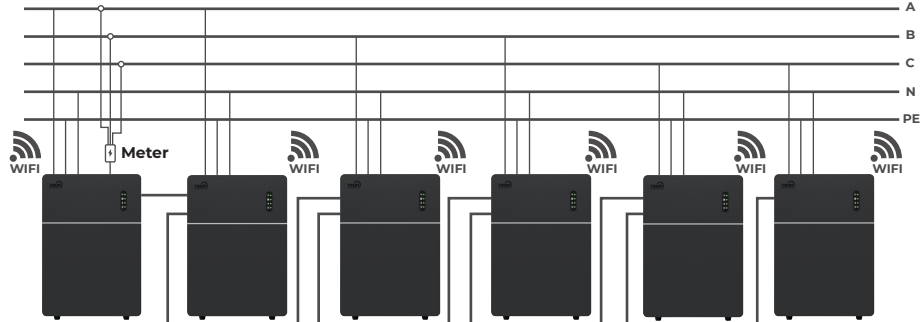
Model	TSOL-MAU5000
Battery (DC)	
Battery Type	LiFePO ₄
Battery Capacity	5120 Wh
Nominal Voltage	51.2 V
Life Cycle	6000
AC Port (On-grid)	
Max. AC Output Power	2500 W
Max. AC Input Power	2500 W
Nominal AC Voltage	220 / 230 / 240 V, L / N / PE
Nominal AC Frequency	50 / 60 Hz
AC Port (Off-grid)	
Max. AC Output Power	2500 W
Nominal AC Voltage	220 / 230 / 240 V, L / N / PE
Nominal AC Frequency	50 / 60 Hz
Switch Time	10 ms
General Data	
Dimensions (W × H × D mm)	484 × 707 × 168 mm
Weight	52 kg
Communication	WiFi (Bluetooth) + RS485
Ingress Protection	IP65
Cooling Method	Natural Convection
Operating Temperature Range	-20 ~ 55°C
Relative Humidity	0 ~ 95%, Non condensing
Max. Operating Altitude	2000 m
Protection Class	I
Overvoltage Category	DC II; AC III

Parallel Connection

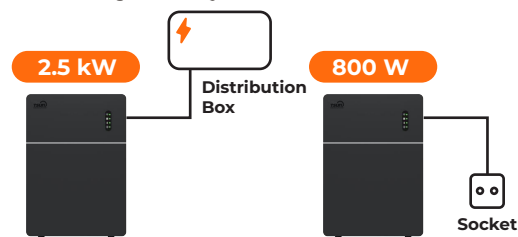
Single-phase



Three-phase



Both Plug & Play and Residential



Work Mode

- Self-use
- Time of Use
- Dynamic Tariff

For more information, visit / contact us at www.tsun-ess.com

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