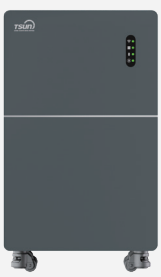
PowerTrunk

Micro AC Coupled Unit

TSOL-MAU8000

MORE SAFETY MORE POWER





TSOL-MAU8000

Zero Export

Time-of-use Control

Parallel Output for Single/Three-phase Grids

Dynamic Tariff Applicable

Bidirectional Inverter Technology

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

TSUNESS Co., Ltd

sales@tsun-ess.com www.tsun-ess.com +86-512-66186028

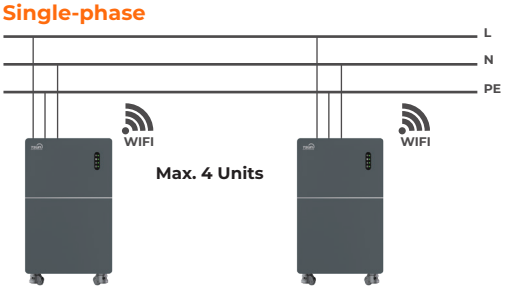
Technical Data

Model	TSOL-MAU8000
Battery (DC)	
Battery Type	Semi-solid-state $LiFePO_4$
Battery Capacity(kWh)	7.68
Nominal Voltage(V)	51.2
Life Cycle	6000
AC Port (On-grid)	
Max. AC Output Power(W)	800[1] / 3000 / 3600
Max. AC Input Power(W)	3600
Nominal AC Voltage	220 / 230 / 240 V, L / N / PE
Nominal AC Frequency(Hz)	50 / 60
AC Port (Off-grid)	
Max. AC Output Power(W)	3600
Nominal AC Voltage	220 / 230 / 240 V, L / N / PE
Nominal AC Frequency(Hz)	50 / 60
Switch Time(ms)	10
General Data	
Dimensions (W × H × D mm)[2]	480 × 820 × 210
Weight(kg)	75
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

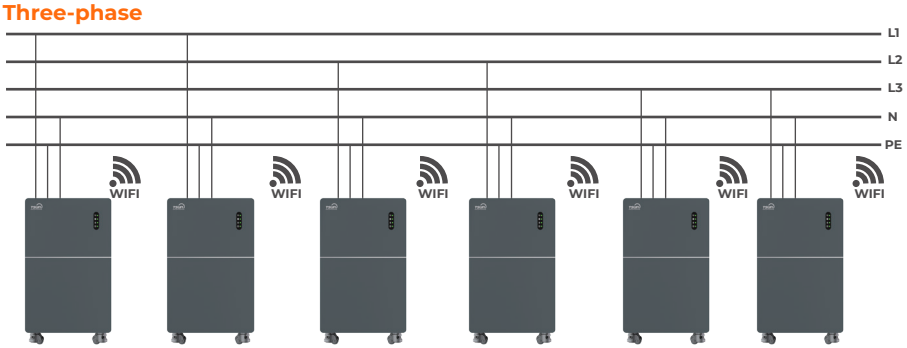
[1]According to the legal requirements of certain countries, output load limits are implemented to 800W.
[2]Including wheels.

Parallel Connection

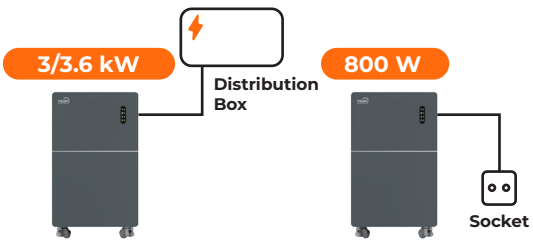
Single-phase



Three-phase



Both Plug & Play and Residential



Work Mode

- Smart
- Custom
- Instant Control
- Smart socket

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