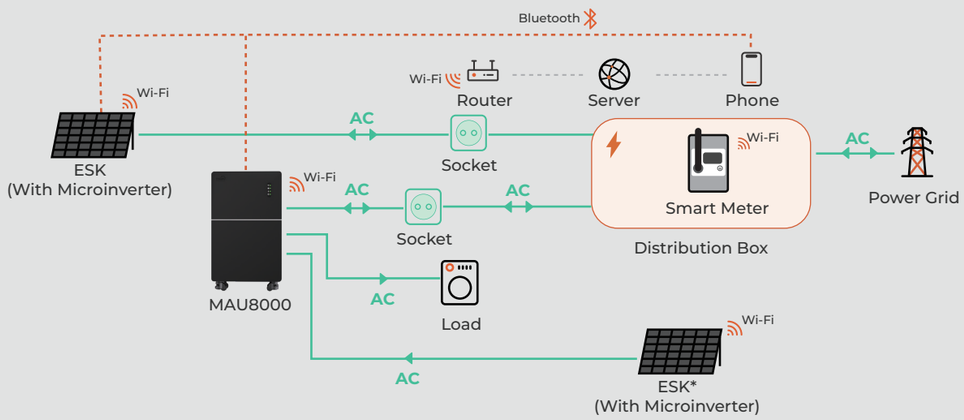
Technical Data

Model	TSOL-MAU8000
Battery (DC)	
Battery Type	$LiFePO_4$
Battery Capacity(kWh)	7.68
Nominal Voltage(V)	51.2
Life Cycle	6000
AC Port (On-grid)	
Max. AC Output Power(W)	3600[1]
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)	480 × 750 × 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.

System Diagram



PowerTrunk

Micro AC Coupled Unit

TSOL-MAU8000

TSUN
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 +86-0512-66186028

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

© 2026 TSUNESS. All rights reserved. All specifications are subject to change without prior notice

Bidirectional Charge and Discharge

800W plug-and-play output.
Up to 3600W AC output and input with professional installation.



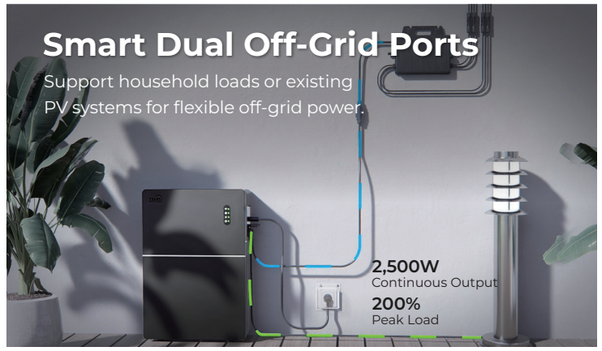
Expand Existing PV with Ease

The off-grid port connects with microinverters to keep solar available during outages.



Smart Dual Off-Grid Ports

Support household loads or existing PV systems for flexible off-grid power.



Compatible With Smart Meters

Compatible with mainstream smart meters, including German D0 infrared meters French Linky meters, and P1 meters used in the Netherlands, Belgium, and Luxembourg.



High Capacity, Proven Reliability

Maximize performance with our **7.68 kWh** fixed-capacity **LiFePO4** unit, delivering **6,000+ cycles** of safe, high-capacity, and long-term reliability.



All-Weather Durability

-20°C to 55°C
IP65



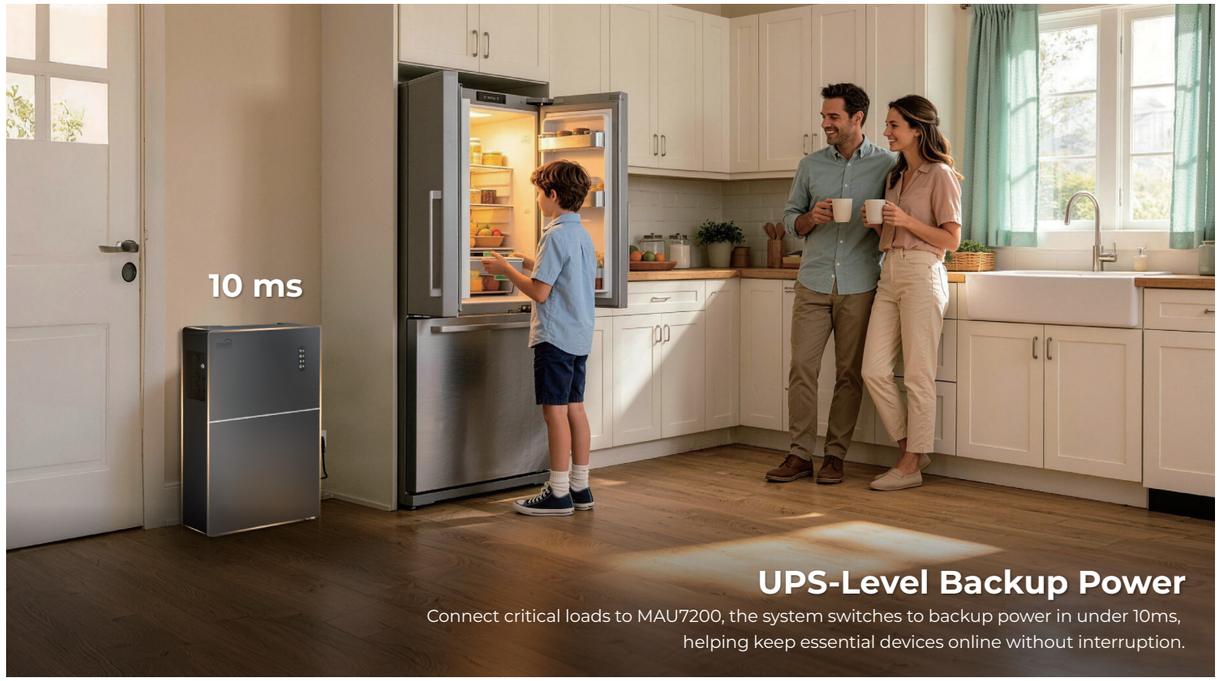
IP65 rated with self-heating and 6,000 cycles for extreme -20°C to 55°C reliability.



AI-Powered Smart Scheduling

AI-powered scheduling helps reduce costs under dynamic tariffs.

AI Mode



UPS-Level Backup Power

Connect critical loads to MAU7200, the system switches to backup power in under 10ms, helping keep essential devices online without interruption.

Smart Parallel Expansion

Single-phase or three-phase, no physical wiring between units.



Single-Phase
Up to **15.36 kW/30.72 kWh** (4 Units)

Three-Phase
Up to **23.04 kW/46.08 kWh**(6 Units)