

# Micro AC Coupled Unit

TSOL-MAU1000/MAU2000  
TSOL-MAU1000DE/MAU2000DE



**TSOL-MAU1000+B2000**



Zero Export



All-in-one Unit



Charge from Grid &  
Discharge to grid



-20°C ~ +55°C Working  
Temperature Range



Built-in WiFi, Bluetooth  
APP Remote Monitoring

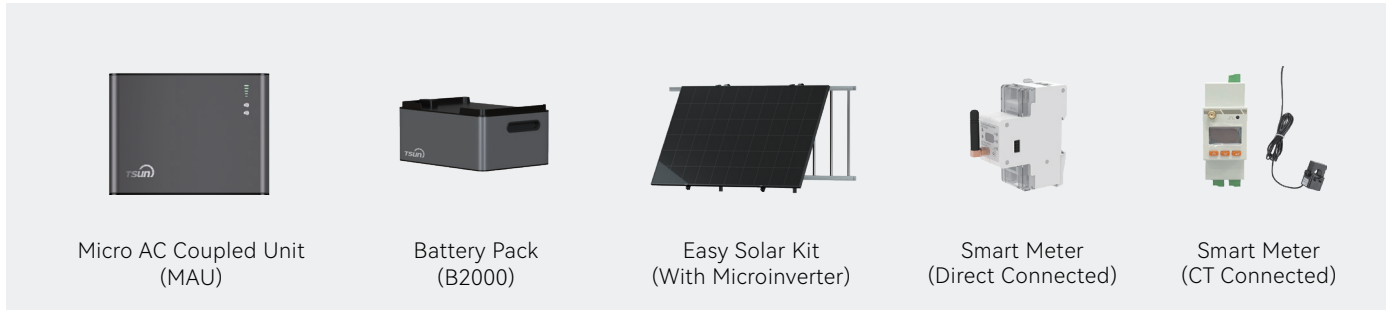
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## Technical Data

Model	TSOL-MAU2000	TSOL-MAU2000DE	TSOL-MAU1000	TSOL-MAU1000DE
<b>Battery (DC)</b>				
Battery Capacity (Wh)	2048	2048	2048	2048
Battery Type	LiFePO <sub>4</sub>	LiFePO <sub>4</sub>	LiFePO <sub>4</sub>	LiFePO <sub>4</sub>
Nominal Voltage (V)	51.2	51.2	51.2	51.2
Operating Voltage Range (V)	43.2 - 58.4	43.2 - 58.4	43.2 - 58.4	43.2 - 58.4
Max. Discharge Power (W)	2000	2000	1000	1000
Max. Discharge Current (A)	45	45	25	25
Max. Charge Power (W)	2000	2000	1000	1000
Max. Charge Current (A)	40	40	20	20
Max. System Capacity (kWh)	10.24 (1 MAU + 4 * Stackable Battery)			
<b>AC Port (On-grid)</b>				
Max. AC Output Power (W)	2000	800	1000	800
Max. AC Output Current (A)	10	4	5.5	4
Max. AC Input Power (W)	2000	2000	1000	1000
Max. AC Input Current (A)	11	11	5.5	5.5
Max. AC Input Current (A)	220/230/240, L/N/PE			
Nominal AC Frequency (Hz)	50/60			
Power Factor	>0.99 default 0.8 leading ... 0.8 lagging			
THDI	≤3%@100% Load			
<b>AC Port (Off-grid)</b>				
Max. AC Output Power (W)	2000	2000	1000	1000
Max. AC Output Current (A)	10	10	5	5
Nominal AC Voltage (V)	220 / 230 / 240, L / N / PE			
Nominal AC Frequency (Hz)	50 / 60			
Switch Time (ms)	< 10			
Peak Output Apparent Power (VA)	200% 2s			
<b>Efficiency</b>				
Battery Charge/Discharge Efficiency	95% / 95%			
Consumption (Without Load)	< 25W			
Self-consumption (Device Shutdown)	< 1W			
<b>Mechanical Data</b>				
Dimensions (W * H * D mm)	455 * 320 * 280 (MAU) / 455 * 205 * 280 (B2000)			
Weight (kg)	30(MAU) / 19(B2000)			
<b>General Data</b>				
Communication	Wi-Fi (Bluetooth) + 3 * RS485			
Ingress Protection	IP65			
Cooling	Natural convection			
Operating Ambient Temperature Range	-20 °C ~ +55 °C			
Relative Humidity	0-95%, Non condensing			
Max. Operating Altitude Without Derating (m)	2000			

## Related Products

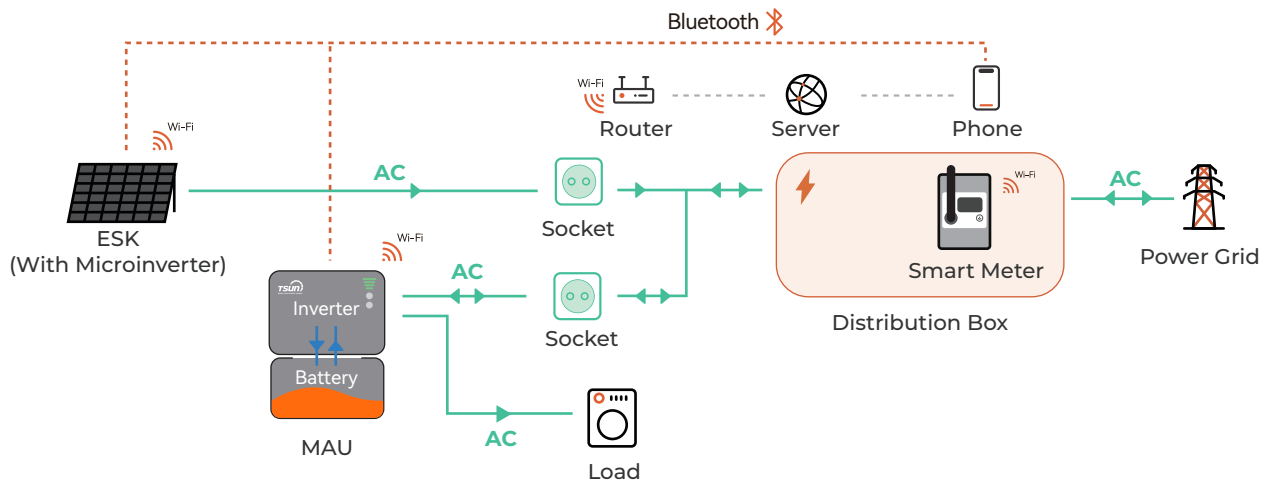


## Diagram

The MAU is a key component of the Plug&Play Energy Storage System or Micro Energy Storage System, it integrates both energy storage inverter and battery pack.

The MAU stores excess electricity generated by the PV system in its battery, based on household consumption needs (Zero Export Mode), and converts it into AC power when required.

The MAU can also charge during low-tariff hours and discharge during peak tariff periods, according to the time and power settings configured by the user (Time-Sharing Control Mode). It also features an off-grid port, allowing it to power essential household appliances even during utility outages.



MORE SAFETY MORE POWER



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