

# Micro AC Coupled Unit (1kW/2kW | 2kWh-10kWh)



Highlight



Zero Export



All-in-one Unit



Charge & Discharge from Grid



-20°C ~ +55°C  
Working Temperature



Built-in WiFi, Bluetooth  
APP Remote Monitoring

Battery (DC)	TSOL-MAU2000	TSOL-MAU2000DE	TSOL-MAU1000	TSOL-MAU1000DE
Battery Capacity (Wh)			2048	
Battery Type			LiFePO4	
Nominal Voltage (V)			51.2	
Operating Voltage Range (V)			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 MSU + 4 Stakebale Battery)	
AC Port (On-grid)				
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	
AC Port (Off-grid)				
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	
Efficiency				
Battery Charge/Discharge Efficiency			95%/95%	
Consumption (Without Load)			< 25W	
Self-consumption (Device Shutdown)			< 1W	
Mechanical Data				
Dimensions (W×H×D mm)			455×320×280(MAU) / 455×242×280(B2000)	
Weight [kg]			29(MAU)/19(B2000)	
General Data				
Communication			WiFi (Bluetooth) + 2* RS485	
Ingress Protection			IP65	
Cooling			Natural convection	
Operating Ambient Temperature Range			-20 ~ +55 °C	
Relative Humidity			0-95%, Non condensing	
Max. Operating Altitude Without Derating [m]			2000	