PowerTrunk

Micro AC Coupled Unit

TSOL-MAU2000

MORE SAFETY MORE POWER





TSOL-MAU2000+B2000

Zero Export

Time-of-use Control

Bidirectional Inverter Technology

Dynamic Tariff Applicable

Parallel Output for Single/Three-phase Grids

CE VDE 4105 EN 50549-10 UN38.3

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Technical Data

Model	TSOL-MAU2000
Battery (DC)	
Battery Capacity (Wh)	2048
Battery Type	$LiFePO_4$
Nominal Voltage (V)	51.2
Operating Voltage Range (V)	43.2 - 58.4
Max. Discharge Power (W)	2000
Max. Charge Power (W)	2000
Max. System Capacity (kWh)	10.24 MAU2000/MAU2000DE (2.048 kWh)+ 4 x B2000 (8.192 kWh)
AC Port (On-grid)	
Max AC Output Power (W)	800[1] / 2000
Max. AC Output Current (A)	4 / 10
Max. AC Input Power (W)	2000
Max. AC Input Current (A)	11
Nominal AC Voltage (V)	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) (Optional)	
Max. AC Output Power (W)	2000
Max. AC Output Current (A)	10
Nominal AC Voltage (V)	220/230/240, L/N/PE
Nominal AC Frequency (Hz)	50/60
Switch Time (ms)	< 20
Efficiency	
Battery Charge/Discharge Efficiency	95%/95%
Consumption (Without Load)	< 25W
Self-consumption (Device Shutdown)	< 1W
Mechanical Data	
Dimensions (W×H×D mm)	455 x 320 x 280(PowerTrunk) 455 x 205 x 280(B2000)
Net/Gross Weight (kg)	32/34.7 (Metal Housing) 25.9/28.6 (Plastic Housing) Die-cast Heat Sink
Battrery Weight (kg)	17.2/19

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Technical Data

Model	TSOL-MAU2000

General Data

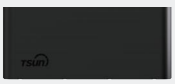
Communication	Server : WiFi (Bluetooth) / Battery: RS485
Extra Communication Ports	3 x RS485(Dispatch+Meter+Parallel)
Ingress Protection	IP65
Cooling	Natural Convection
Operating Ambient Temperature Range	-20 ~ +55 °C
Relative Humidity	0-95%, Non Condensing
Max. Operating Altitude Without Derating (m)	2000
Display	SOC Light
Type of Isolation	Reinforced Insulation
Protection Class	I

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

Related Products



Micro AC Coupled Unit (MSU)



Battery Pack (B2000)



Easy Solar Kit (Without Microinverter)



Smart Meter (WiFi-CT Connected)



Smart Meter (RS485-CT Connected)



AC End Cable (2 m)



2 x RS485 Connector



AC End Cable (5 m/10 m/15 m)



RS485 Cable (Dispatch)



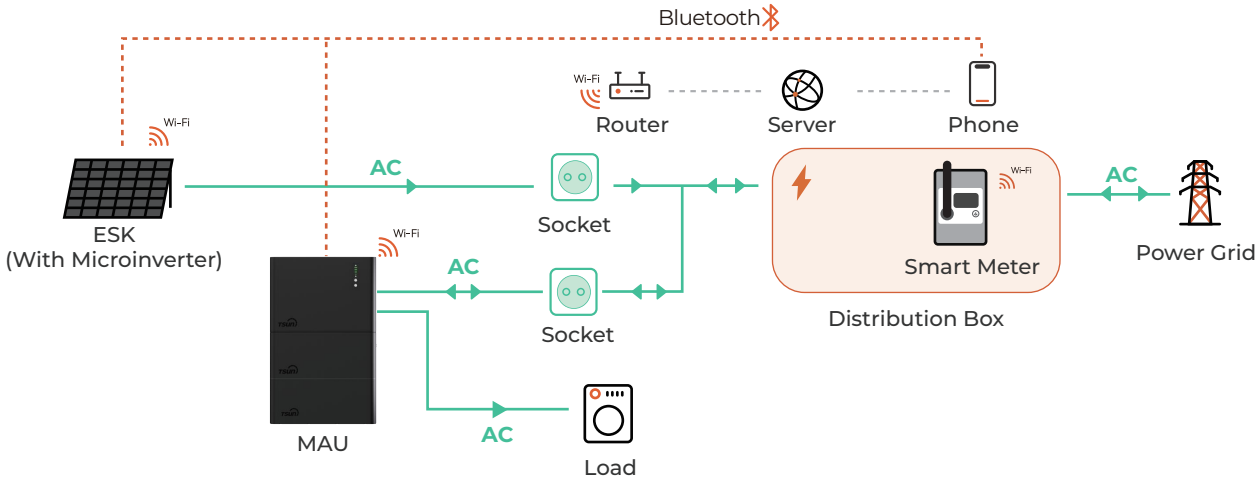
RS485 Cable (Meter)



RS485 Cable (Parallel)

Standard Accessories Optional Accessories

System Diagram



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