

# SolarTrunk

## Micro Hybrid Storage Unit

TSOL-MSU4000Lite



**TSOL-MSU4000Lite**  
**+B2000Lite/B4000Lite**



Zero Export



Time-of-use Control



Bidirectional Inverter  
Technology



Parallel Output for  
Single/Three-phase Grids



Dynamic Tariff  
Applicable



Battery Optimizer



Supports Black Start  
via PV or Grid



Power Bypass Mode  
(PV-first supply)

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# Technical Data

Model	TSOL-MSU4000Lite
<b>PV Input (PV)</b>	
Max. PV Input Power (W)	2800
Max. Input Voltage per Input (V)	60
Operating Voltage Range per Input (V)	16 ~ 60
Quantity of PV Module	4
<b>Battery (DC)</b>	
Battery Type	LiFePO <sub>4</sub>
Battery Capacity (kWh)	4
Max. System Capacity (kWh)	20
Nominal Voltage (V)	51.2
Life Cycle	10,000 <sup>[1]</sup>
<b>AC Port (On-grid)</b>	
Max. AC Output Power (W)	800 <sup>[2]</sup> / 2500 <sup>[3]</sup>
Max. AC Input Power (W)	2500 <sup>[4]</sup>
Nominal AC Voltage (V)	220 / 230 / 240
Nominal AC Frequency (Hz)	50 / 60
<b>AC Port (Off-grid)</b>	
Max. AC Output Power (W)	2500 <sup>[5]</sup>
Nominal AC Voltage (V)	220 / 230 / 240
Nominal AC Frequency (Hz)	50 / 60
Switch Time (ms)	≤10
<b>General Data</b>	
Dimensions (W × H × D mm)	583 × 410 × 395
Weight (kg)	48
Communication Mode	WiFi (Bluetooth) + RS485
Protection Degree (IP Rating)	IP65
Cooling Method	Natural Convection
Operating Temperature Range	-20 ~ 55°C
Relative Humidity	0 ~ 95%, Non condensing
Max. Operating Altitude (m)	2000
Protection Level	I
Overvoltage Category	II (DC); III(AC)

[1] Designed for a lifespan of 10,000 cycles at 25 °C ambient temperature.

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

[3] The PV Input should be greater than or equal to 500W.

[4] The EPS load should be greater than or equal to 500W.

[5] The PV Input or AC Input should be greater than or equal to 500W.

# Technical Data

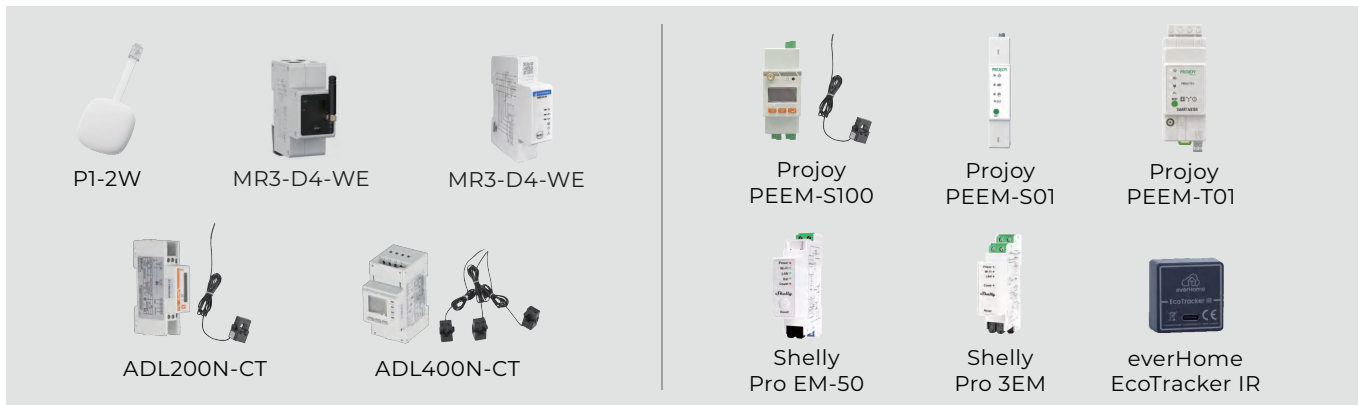
Model	TSOL-B2000Lite	TSOL-B4000Lite
<b>Battery Specifications</b>		
Battery Type	LiFePO <sub>4</sub>	
Battery Capacity (kWh)	2	4
Nominal Voltage (V)	51.2	
Life Cycle	10,000 <sup>[1]</sup>	
<b>General Data</b>		
Dimensions (W×H×D mm)	583 × 333 × 375	
Weight (kg)	26	35
Protection Degree (IP Rating)	IP65	
Cooling Method	Natural Convection Cooling	
Operating Temperature Range	-20 ~ 55°C	
Relative Humidity	0 ~ 95%, Non condensing	
Max. Operating Altitude (m)	2000	

[1] Designed for a lifespan of 10,000 cycles at 25 °C ambient temperature.

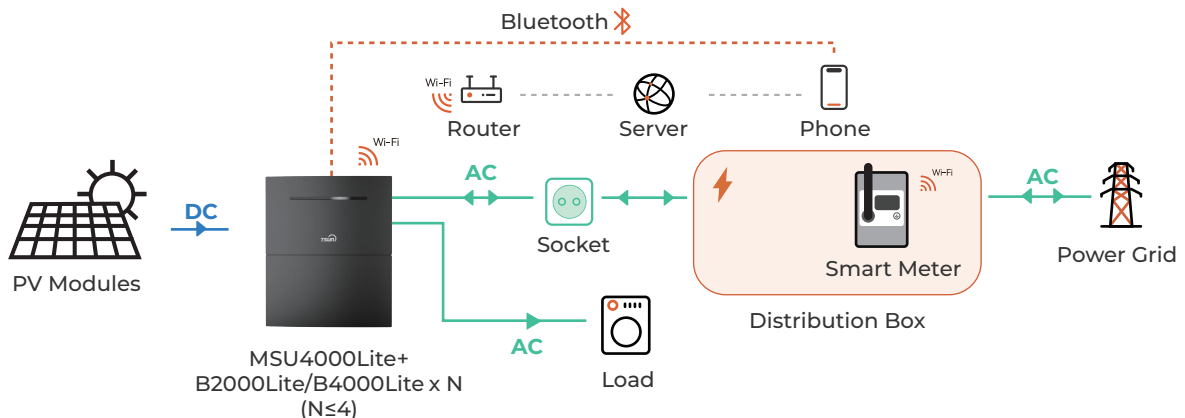
## Related Products



## Smart Accessories



## Diagram



For more information, visit/ contact us at [www.tsun-ess.com](http://www.tsun-ess.com)

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MORE SAFETY MORE POWER

