

**MARSTEK**

Power Anywhere & Anytime

# SATURN-C Balcony Solar Battery System



**EXPANDABLE CAPACITY**

2240Wh~6720Wh



**HIGH POWER**

1000W PV Input  
800W DC Output



**POWER ANYTIME**

Backup The Excess Solar Energy  
to Provide Energy at Night



**DIY INSTALLATION**

Creativity Design for SOC Display  
Plug-And-Play



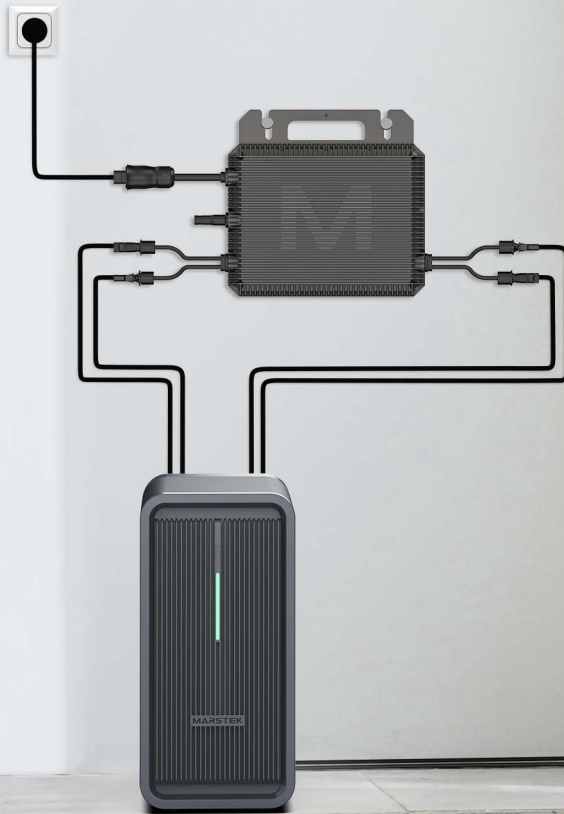
**HIGH SAFETY**

LiFePO<sub>4</sub> Battery  
IP65 Waterproof



**LONG LIFESPAN**

Over 10 Years  
Lifecycle 6000+Times



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Product Manual

# SPECIFICATIONS



Model	B2500-D
<b>General</b>	
Capacity	2240Wh
Cell Chemistry	LiFePO <sub>4</sub>
Lifecycle	6000+ Cyclesto 80% Capacity
Storage Temp.	14°F~131°F(-10°C~55°C)
Operating Temp.	14°F~104°F(-10°C~40°C)
Material	ABS + PC + Metal
Weight	20±0.5kg
Dimensions	295*175*350mm
Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc
Wireless	BT5.2 + WIFI 2.4G
<b>MC4*2 PV INPUT</b>	
Power	500W*2 Max
Voltage Range	12V~59V
Max. Input Current	13.5A*2
<b>MC4*2 OUTPUT</b>	
Power	400W*2 Max
Voltage Range	16V~40V
Max. Output Current	15A Max
<b>Additional Data</b>	
Protection Rated	IP65
Standards	EN IEC 62109-1/-2, EN IEC 61000-6-1/2/3/4, IEC 62619:2022, WEEE, RoHS, REACH

Model	P2500D
<b>General</b>	
Capacity	2240Wh
Cell Chemistry	LiFePO <sub>4</sub>
Nominal Current	50A
Lifecycle	6000+ Cycles to 80% Capacity
Storage Temp.	-4°F~140°F(-20°C~60°C)
Operating Temp.	32°F~122°F(0°C~50°C)
Material	ABS + PC / Metal
Weight	18±0.5kg
Dimensions	295*175*350mm
Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc.
<b>Input</b>	
Battery Voltage Range	44.8V
Charge Voltage	52.5V
Charge Current	50A
<b>Output</b>	
Discharge Current	100A
DoD	90%