

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



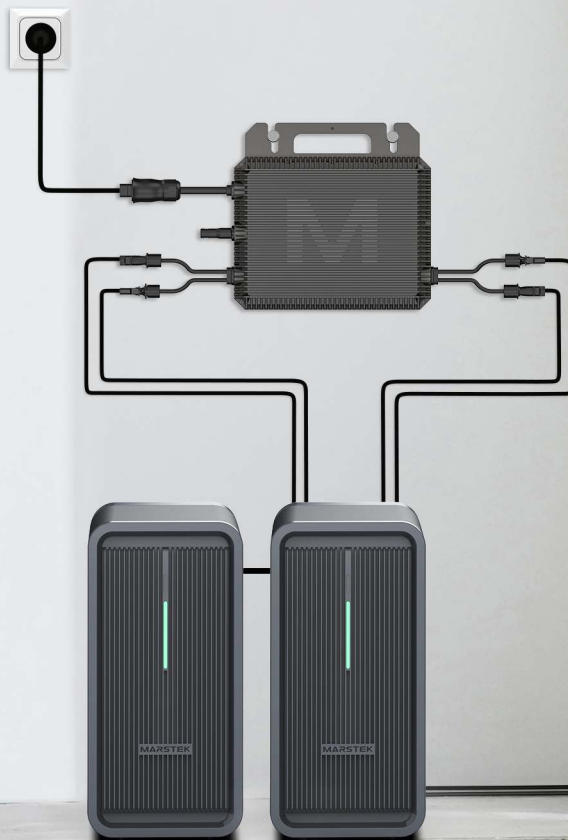
HIGH SAFETY

LiFePO₄ Battery
IP65 Waterproof



LONG LIFESPAN

Over 10 Years
Lifecycle 6000+Times



Marstek Energy Co., Limited

Add: BLDG#A, Changfang Industrial Park, No.2 Guihua 5th Road, Pingshan District, Shenzhen, Guangdong, China

Tel: 86-755-28398778

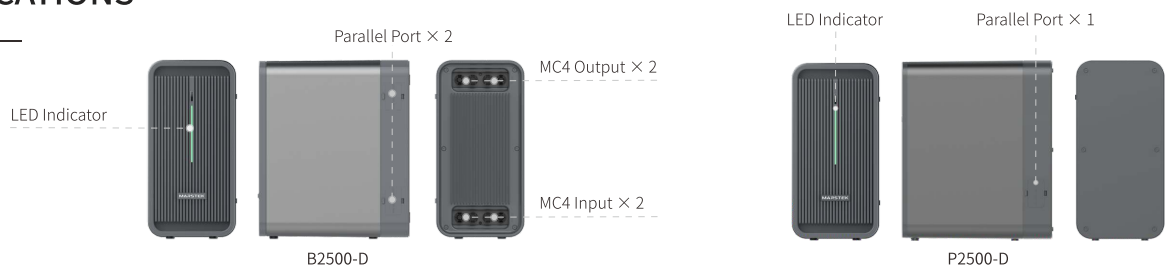
Email: market@marstekenergy.com

Web: www.marstekenergy.com



Product Manual

SPECIFICATIONS



Model	B2500-D
General	
Capacity	2240Wh
Cell Chemistry	LiFePO ₄
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
MC4*2 PV INPUT	
Power	500W*2 Max
Voltage Range	12V~59V
Max. Input Current	13.5A*2
MC4*2 OUTPUT	
Power	400W*2 Max
Voltage Range	16V~40V
Max. Output Current	15A Max
Additional Data	
Protection Rated	IP65
Standards	EN IEC 62109-1/-2, EN IEC 61000-6-1/2/3/4, IEC 62619:2022, WEEE, RoHS, REACH

Model	P2500-D
General	
Capacity	2240Wh
Cell Chemistry	LiFePO ₄
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.
Input	
Battery Voltage Range	44.8V
Charge Voltage	52.5V
Charge Current	50A
Output	
Discharge Current	100A
DoD	90%
Additional Data	
Protection Rated	IP65
Standards	EN IEC 62109-1/-2, EN IEC 61000-6-1/2/3/4, IEC 62619:2022, WEEE, RoHS, REACH