

MARSTEK

Power Anywhere & Anytime

MARSTEK JUPITER C+

Balcony All-in-one ESS

800W On-grid, Plug & Play, 2400W 4 MPPT PV Input
2.56kWh LFP Battery, Cycle Life ≥ 6000

Extra Battery Module (EBM)
2.56kWh LFP Battery, Cycle Life ≥ 6000

Stackable Design
Expand to 3 EBMs, up to 10.24kWh

Anti Feed-in, 100% Self Consumption
With "MARSTEK CT002" / "Shelly" Smart Meter

HD Touchable Screen
IP65 Waterproof

Support Integration with External EMS
Open API/Modbus Protocol
RS485/WIFI/BT



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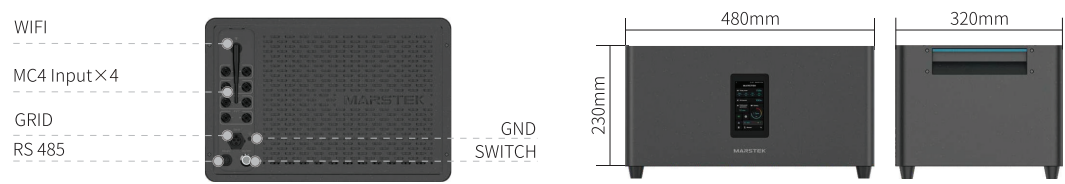
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Product Manual

SPECIFICATIONS



Model	MARSTEK JUPITER-C+
Energy Storage Unit (Stack)	
Battery Energy	2.56kWh
Life Cycle	>6000(25°C)
Battery Type	LiFePO ₄
Battery Capacity	50Ah
Number of Energy Storage Unit	3PCS (max)
Total Capacity of The Product	2.56~10.24kWh
PV Input	
Maximum Input Power	2400W
Operating Voltage Range	16~60V
Maximum Input Short Circuit Current(Single Channel)	20A
MPPT Track Number	4
MPPT Efficiency	99.80%
AC Output	
Rated Output Power	800VA
Working Phase	L/N/PE
Rated Grid Voltage	230V
Rated Grid Frequency	50Hz
Rated Grid Output Current	3.48A
Power Factor	> 0.99(default), 0.8lagging...0.8leading(adjustable)
THDi	<3%
Efficiency	
Battery Side - AC Side Maximum Efficiency	>96.5%
Basic Parameters	
Ambient Temperature Range	-20 ~ + 60°C (Storage-30 ~ + 85°C)
Relative Humidity	0-95%
IP Level	IP65
Cooling Method	Natural Cooling
Maximum Altitude	2000m
General	
Grid connection	BC01
Photovoltaic connection	MC4
Off-grid port	European Socket
Display	Touchable HD Screen
Communication	Bluetooth, WIFI & RS-485(Waterproof Aviation Plug)
On-grid Connection Standard	VDE 4105/0124, NF EN50549-1, CE I0-21, PETREE, PN-EN 50549-1/-2, PEA 1165-2020
Regulatory/EMC	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3, EN 300 328, EN 301 489 -1/-17, EN 50665, EN 62920, CB 62619, EN 50549-1



Model	MST-JC+-B2500
Battery Parameter	
Battery Energy	2.56kWh
Life Cycle	>6000(25°C)
Battery Type	LiFePO ₄
Battery Capacity	50Ah
Basic Parameters	
Ambient Temperature Range	-20 ~ + 60°C (Storage-30 ~ + 85°C)
Relative Humidity	≤95%
IP Level	IP65
Cooling Method	Natural Cooling
Maximum Altitude	2000m