MARSTEK
Power Anywhere & Anytime



MARSTEK V6000

Waterproof 6kW Inverter/15kWh Battery All-in-One On/Off-Grid Solar Backup Station

All-in-One Power Fortress
Waterproof All-Weather Solar Backup Station

Strong & Stable Output
6kW Pure Sine Wave Inverter with 12kW Peak to Deliver Continuous Energy

Future-Ready Performance
15-90 kWh Capacity with Units in Parallel

Smart Monitoring & App Control
Real-Time Data on the 8.48-Inch Display, with Control from Marstek App

Always-on Power Supply
Solar/Grid/Generator/ Solar+Grid Charging

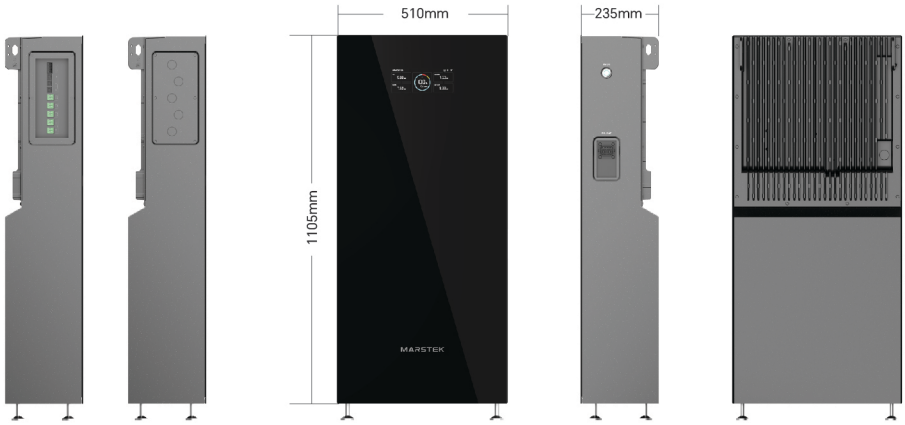
Safe & Durable
5-Year Warranty, IP65 Rated, Built to Last

Marstek Energy Co., Limited

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SPECIFICATIONS



Model	MARSTEK V6000
Battery	
Battery Capacity (Wh)	15072Wh (314Ah*1P*15S*3.2V)
Battery Chemistry	Lithium Iron Phosphate
Nominal Voltage	48V
Life Cycles (Down to 80% DOD)	10000+
AC Output	
Inverter Continuous (W)	6kW
Inverter Peak (W)	12kW
Inverter Type	Pure Sine Wave
Inverter Voltage/Freq.	230V/50Hz
AC Output Current	26.1A
AC Output Max Current	29A
AC Output Port(s)	Quick-Connect Terminal*1 (40A)
DC Input	
Solar Input Channels	2
Solar Input Power	4.5kW*2
Solar Input Voltage	80V-500V
Solar Input Current	16A Max. * 2
Solar Input Port	Quick-Connect Terminal*2
AC Input	
Input Voltage/Freq. Rated	230V/50Hz
Input Voltage Range	184V~276V
Input Current	32.6A
AC In Power	7.5kW
AC Charge Power	6kW
AC Bypass Power	6kW
AC Input Port	Quick-Connect Terminal*1
General	
Charging Temperature	0°C~50°C
Discharging Temperature	-10°C~50°C
Storage Temperature	-20°C~60°C
Relative Humidity	0~95%
Ingress Protection	IP65
Dimensions	510.0*234.7*1105.0mm
Weight	137.2kg
Protection Level	I
Overvoltage/Voltage Withstand Level	II
Cooling Strategy	Natural Cooling
Max. Operating Altitude	4000m
Display	Segment Display
Product Certification	UN38.3 & MSDS