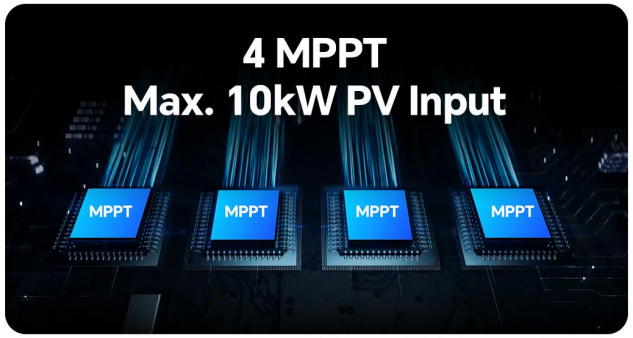
MARSTEK M5000 - N

5kW Off-Grid Solar Generator with 10kW PV Input



4 MPPT
Max. 10kW PV Input



RV Charging Generator
Keep Your Camper Powered On the Go



5kW Pure Sine Wave Inverter



Flexible Charging

Solar | Grid | Solar+Grid

MARSTEK Intelligence

Marstek App

Real-Time
Monitoring & Control



-20℃ to 55℃

Reliable Power Supply



MARSTEK M5000 - N

5kW Off-Grid Solar Generator with 10kW PV Input

5kW Pure Sine Wave Inverter | 4 MPPT 10kW PV Input | 5.12kWh



IP65

Waterproof & Dustproof



7-inch

Touchscreen



LFP Battery

6000+ Life Cycles

5 Years Warranty

10 Years Lifespan



< 15ms EPS

Uninterrupted Power

Sub-30dB

Silent Operation

Flexible Expansion

Up to 15.36kWh

X2



4 MPPT
Max. 10kW PV Input
85V-500V

Wide MPPT Range

High PV Compatibility



RV Charging Generator
Keep Your Camper Powered On the Go

NEMA TT-30
Supports RV Power Supply

x4 **NEMA 5-20R**
Powers RV Electrical Equipment

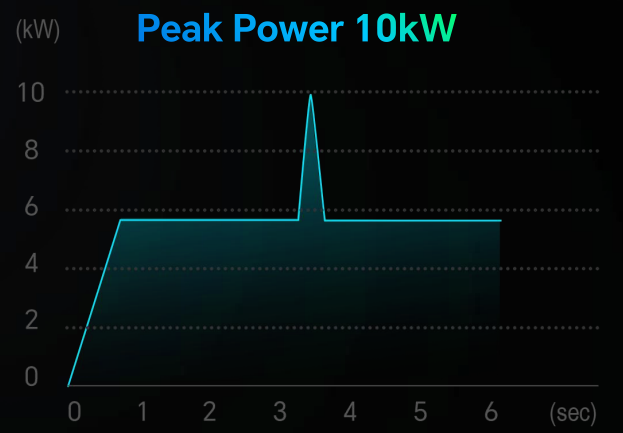




5kW AC Output

Peak Power 10kW

EPS<15ms





5kW Pure Sine Wave Inverter

Stable Power Supply

Three Charging Methods

Smart Energy Switching for Most Conditions

Solar
4.8kW *

Grid
Nominal Charge：3.68kW
Fast Charge：4.83kW

Solar+Grid
4.8kW



* 10kW PV Input, 4.8kW for Battery Charging

Flexible Expansion

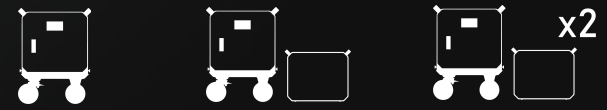


5.12kWh

Main Unit

15.36kWh

Flexible Expansion up to 2 Extra Battery Packs



5.12kWh　10.24kWh　15.36kWh

Smart Control at Your Fingertips

7-Inch

HD Touchscreen

with Localized EMS



Real-Time Monitoring & Control

Marstek App Integration

RS-485/LAN Interface Supports Integration of Third-Party EMS



Easy Mobility and Transport

Independent Removable Lifting Belt and Wheels(Optional)



Multiple Interfaces for Versatile Connectivity



Communication Port

Photovoltaic (PV) Switch

Power On/Off

PV Input x 4

AC Input x 1

Extra Battery Port x 2

NEMA TT-30
AC Output(25A) x 1

NEMA L14-30R
AC Output(25A) x 1

NEMA 5-20R
AC Output(20A) x 4

$LiFePO_4$ Battery

Long-Cycle Operation and Dependable Support

5
Years Warranty

6000+
Life Cycles




IP65
Waterproof & Dustproof
Strong Protection



-20℃ to 55℃

Reliable Power Supply

Sub-30dB

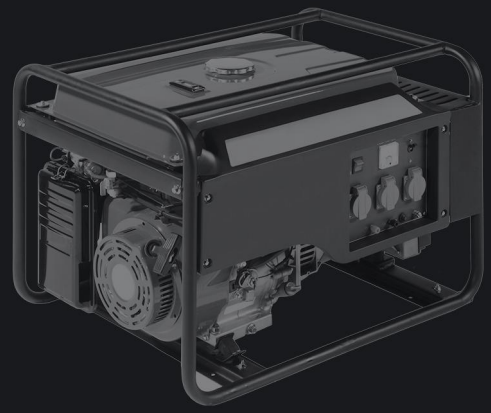
Silent Operation



Solar’s Clean, Quiet, and Affordable Power Leaves Diesel in the Dust!



VS



- [x] Whisper-Quiet Operation
- [x] Low Operating Costs
- [x] Emission-Free Performance
- [x] Effortless Maintenance
- [ ] Noise Pollution
- [ ] High Fuel Costs
- [ ] Harmful Emissions
- [ ] Frequent Maintenance

What Can the M5000-N Power?



150W
RV Refrigerator
27.3 hours



1000W
RV Air Conditioner
4.1 hours



500W
Power Drill
8.2 hours



800W
Small Air Compressor
5.2 hours



800W
Electric Saw/Cutter
5.2 hours



2000W
Portable Concrete Mixer
2.1 hours



1100W
Microwave Oven
75 uses
Approx. 55 Wh per session



1500W
Electric Kettle
55 uses
Approx. 75 Wh per session



500W
Washing Machine
17 cycles
Approx. 250 Wh per cycle



500W
Large Electric Water Pump
8.2 hours



150W
4K Video Camera
27.3 hours



160W
Studio Monitors
25.6 hours

MARSTEK
Power Anywhere & Anytime

M5000-N

5kW Off-Grid Solar Generator
with 4 MPPT 10kW PV Input



Model	M5000-N
General	
Capacity	5120Wh*N(N≤3)
Cell Chemistry	$LiFePO_4$
Lifecycle	>6000 (25°C)
Display	7" LCD, App
Storage Temperature Range	-25°C~60°C
Operating Temperature Range	-20°C~55°C
Max. Operating Altitude	4000m, Derating from 2000m
Weight	203lbs/92kg
Dimension（L/W/H）	25.2*16.1*25.2in (640*418*694mm)
Cooling	Natural Cooling
Standby Power Consumption	<20W (Work)/< 10mW (Sleep)
Noise Level	<30dB
System Ingress Protection Rating	IP65
Communication	External Battery Access CAN*2, RS-485 for EMS, Wi-Fi / Bluetooth
PV Input	
Max. PV Power	10kW
MPPT Voltage Range	85V~500V
Number of MPPT Trackers	4
Max. Input Current Per MPPT	14A
Max. Short-Circuit Current Per MPPT	16A
AC Input	
Nominal Input Voltage	230/207~253
Grid Input Power	Nominal Charge：3.68kW / Fast Charge：4.83kW
Nominal Grid Frequency	50Hz
Power Factor	≥0.99
THDi	<3%
AC Output	
Nominal Output Power	5kW
Peak Output Power (1s)	150%~200%
Nominal Output Voltage	230V
THDv	< 3%
Disruption Time of Backup Switch	15ms
Efficiency	
DC Max. Efficiency	97.60%
MPPT Efficiency	99.80%
Protection	
Safety Protection Feature	Insulation monitoring, AC OV/OC/SC protection, etc
Standard Compliance	
Safety Standard	IEC/EN62109, IEC/EN62619
EMC Standard	Class A
Transportation	UN38.3
Battery	
Onboard Battery Capacity	5.12kWh
External Battery Module Model	P5000-N
Number of External Modules Per Inverter	2PCS
Nominal Voltage of External Module	102.4V
Max. Charging Power	5kW
Max. Discharging Power	5kW

MARSTEK
Power Anywhere & Anytime

P5000-N



Model	P5000-N
Performance Specification	
Battery Type	$LiFePO_4$
Cell Capacity	50Ah
Number of Battery Strings	32
Lifecycle	6000
Total Energy Capacity	5.12kWh
Usable Energy Capacity	5kWh
Battery Modules Voltage Range	88V~115.2V
Nominal Current of Battery Module	50A
Max. Charging Power	4.8kW
Max. Discharging Power	5kW
Protection	
Safety Protection Feature	Cell and Pack OT/UT/OV/UV/OC/SC Protection, Type ll DC Surge Protection.
General	
Dimension (W/H/D)	679*461.5*170mm
Weight	49.1±1 kg
Storage Temperature Range	-25°C~60°C
Operating Temperature Range	-20°C~55°C
Relative Humidity Range	0~100%
Max. Operating Altitude	4000m, Derating from 2000m
Cooling	Natural Cooling
System Ingress Protection Rating	IP65
Noise Level	<30dB
Communication	Inverter Access CAN
Standard Compliance	
Safety Standard	IEC/EN60730-1, IEC/EN62619, IEC/EN63056
EMC Standard	Class A
Transportation	UN38.3

MARSTEK

THANKS!

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