



LUXMETER



GENERADOR SOLAR MINI BESS M5000-US

- 5 kW continuos, 10 kW de potencia pico, entrada AC de 5 kW.
- Entrada fotovoltaica (PV) de 10 kW con 4 MPPT.
- Batería LFP de 5,12 kWh, vida útil \geq 6000 ciclos.

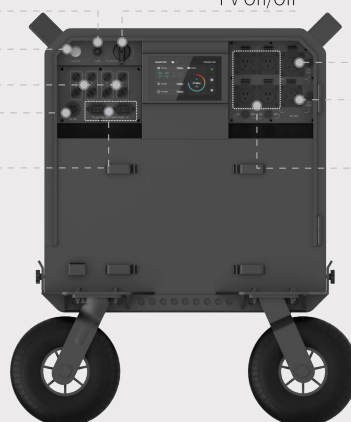
Módulo de Batería Adicional (EBM)

- Batería LFP de 5,12 kWh, vida útil \geq 6000 ciclos.
- Ampliable hasta 2 módulos EBM, total hasta 15,36 kWh.
- Potencia máxima de salida AC: 5 kW, pico 10 kW.
- Máximo 4 unidades en paralelo: 20 kW / 60 kWh para respaldo de toda la vivienda.
- Tiempo de conmutación UPS \leq 20 ms, pantalla táctil HD TFT.
- Compatible con Wi-Fi / Bluetooth, IP65 resistente al agua y al polvo.
- Peso: 115 kg, correa de elevación integrada, carro separable.
- Pintura reforzada para ambiente salino.

Model	M5000-US
GENERAL	
Capacity	5120Wh*N (N≤3)
Cell Chemistry	LiFePO ₄
Lifecycle	>6000 (25°C)
Display	10.1" LCD, App
Storage Temperature Range	-13°F ~ 140°F (-25°C ~ 60°C)
Operating Temperature Range	-4°F ~ 131°F (-20°C ~ 55°C)
Max. Operating Altitude	4000m, Derating from 2000m
Weight	253.5lbs / 115kg
Dimensions	25.2*16.1*25.2in (640*408*640mm) L*W*H
Cooling	Natural Cooling
Standby Power Consumption	<20W (Work) /< 10mW (Sleep)
Noise Level	<30dB
System Ingress Protection Rating	IP65
Communication	External Battery Access CAN*2, RS485 for EMS, Wifi / BT
PV Input	
Max. PV Power	10kW
MPPT Voltage Range	85V~500V
Number of MPP. Trackers	4
Max. Input Current Per MPPT	14A
Max. Short-circuit Current Per MPPT	16A
AC Input	
Nominal Input Power	4.8kW
Nominal Input Voltage	Single Phase: 120V/92V~136V, Split Phase: 240V/184V~272V
Grid Input Mode	Single Phase: 2.4kW, Split Phase 4.8kW
Nominal Grid Frequency	60Hz
Power Factor	0.99Leading~0.99 Lagging
Total Current Harmonic Distortion	THDi < 3%
AC Output	
Nominal Output Power	5kW
Peak Output Power (1s)	150%~200%
Nominal output voltage	Single Phase: 120V, Split Phase: 240V
Total Voltage Harmonic Distortion	THDv < 3%
Disruption Time of Backup Switch	15ms
Efficiency	
DC Max. Efficiency	97.60%
MPPT Efficiency	99.80%
Battery	
Onboard Battery Capacity	5.12kWh
External Battery Module Models	P5000
Number of External Modules Per Inverter	2PCS
Nominal Voltage of External Module	400V
Max. Charging Power	4kW
Max. Discharging Power	5kW
Protection	
Safety Protection Feature	Insulation Monitoring, Residual Current Monitoring, DC Reverse Polarity Protection, AC OV / OC / SC Protection, Type II DC / AC Surge Protection
Standard Compliance	
Safety Standard	UL1741, UL1973, UL9540, UL9540A, UL1998, UL1699B
EMC Standard	FCC Part 15 Class B
Transportation	UN38.3

ESPECIFICACIONES

COM	PV On/Off	
On/Off Button		AC#2 Output(25A) × 1
PV Input × 4		AC#3 Output(25A) × 1
AC Input × 1		
Extra Battery Port × 2		AC#1 Output(16A) × 4



Supports US Standard, Japan Standard and other specifications