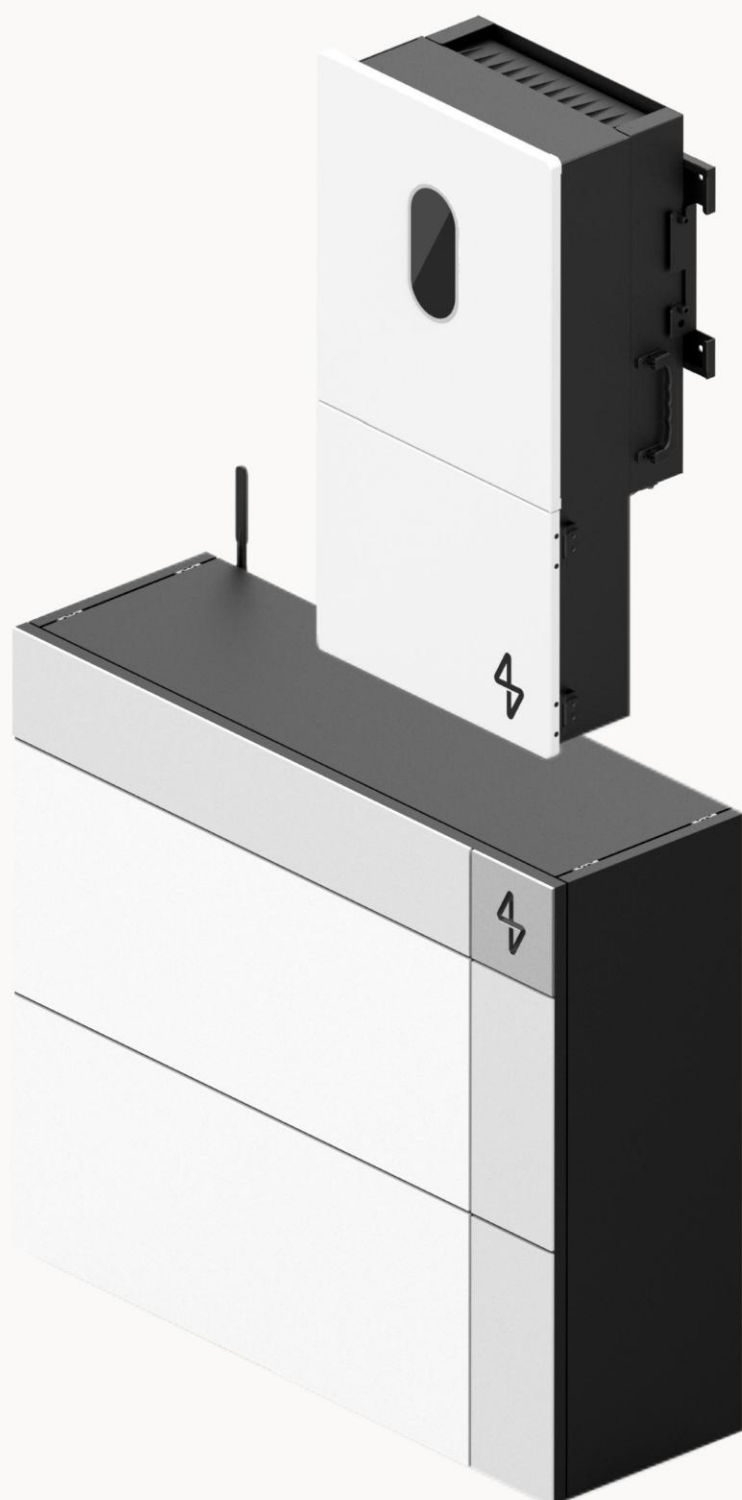


⚡ Meter



Standard Unit: 1 ESS Inverter & 1 ESS Battery
Model Number: **MH-1010143E**

9975 SW Herman Rd.
Tualatin, OR 97062
Tel: 877-220-3852
Email: sales@meterhome.com
www.meterhome.com

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MeterHome's Residential Battery Energy Storage System is a safe, reliable, state-of-the-art home energy system that's Built In America. Contact us today to find out how you can start saving on your electricity bills and contribute to a more sustainable, greener, future for yourself and your family.



10kW / 14.3kWh



24-Hour Remote Monitoring
& Maintenance



Flexible Interconnection/
Demand Response Ready

ESS Inverter

Technical Data



Feature	Specifications
Max. Charge/Discharge Power(W)	10,000/10,000
Max. Charge/Discharge Current (A)	210/210
Max. PV Input Power (W)	15,000
Max. PV Input Current (A)	30/22/22
Nominal Grid Voltage (Vac)	120/240V(Split phase) / 208V(2/3 phase)
Nominal Grid Frequency (Hz)	50Hz / 60Hz
Rated PV Input Voltage (Vdc)	600
Start Up DC Voltage (Vdc)	90
MPPT Voltage Range (Vdc)	70-540
Max. PV Circuit Current (A)	44+44
Number of MPPT	3
Peak Power (off grid)	2 times of rated power, 10s
Power Factor	0.8 leading to 0.8 lagging
DC Injection Current (mA)	THD <3% (Linear load <1.5%)
Operating Temperature Range	-20°C to 60°C (-4°F to 140°F)
Dimension (W x H x D)	16.5" x 31.5" x 9.4" (420mm x 800mm x 240mm)
Weight Approximation	88 lbs. (40 kg)
Communication Interface	CAN(for BMS), DRM/RS485 (for meter), RS485
Safety Certification	UL1741, CSA C22.2, UL1699B
Grid Regulation	UL1741SB, IEEE1547 :2018, HECO SRD 2.0
Max. Efficiency	98.0%

ESS Battery

Technical Data



Feature	Specifications
Energy Capacity (kWh)	14.3
Dimension (W x D x H)	39.6" x 16" x 34.5" (1006mm x 406mm x 876mm)
Weight Approximation	463 lbs. (210 kg)
Max. Charging / Discharging Current (A)	150
Battery Operating Voltage (V)	40-58.4
Battery Chemistry	LiFePO4
Enclosure Protection Rating	IP 44
Charging Temperature Range	0°C to 35°C (32°F to 95°F)
Discharging Temperature Range	-30°C to 35°C (-22°F to 95°F)
Humidity	5%-95%
Altitude	Max 6,562 ft (2,000 m)
Cycle Life	25°C (77°F) 8000 cycles, 70% SOH / 45°C (113°F) 3000 cycles, 70% SOH
Safety Certification	UL60730, UL1973, UL9540, UL9540A, UN38.3
Installation Style	Indoor, Floor Mounted
Warranty	10 years (Standard)