



Energizer. Solar

EnergiStack Hybrid Stackable Battery

3.97kWh

USA VERSION



The Energizer Solar EnergiStack is a high-performance, scalable battery storage system. The modular design allows for maximum flexibility, making it suitable for a broad range of storage applications.

Up to 7 batteries can be installed in series, allowing for a maximum storage capacity of 27.82kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.

High Voltage Stackable Battery System

- 3.97 kWh Nominal Capacity
- Scalable to 27.82 kWh
- Wide Temperature Tolerance
- 30 Minute Easy Installation
- Connect up to 4 EnergiStacks in parallel



Plug and Play!

With only 3 cables to connect, installation is fast and efficient.

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Expandable Storage



High Performance



Type 4X Rated



Remote Monitoring

ELECTRICAL CHARACTERISTICS	PSUS4000H-2	PSUS4000H-3	PSUS4000H-4	PSUS4000H-5	PSUS4000H-6	PSUS4000H-7
Battery Type	LiFePO4 Prismatic Cell					
Battery Modules	1 x PSUS4000H-M 1 x PSUS4000H-S	1 x PSUS4000H-M 2 x PSUS4000H-S	1 x PSUS4000H-M 3 x PSUS4000H-S	1 x PSUS4000H-M 4 x PSUS4000H-S	1 x PSUS4000H-M 5 x PSUS4000H-S	1 x PSUS4000H-M 6 x PSUS4000H-S
Nominal Capacity [kWh]	7.95	11.92	15.90	19.87	23.85	27.82
Nominal Voltage [V]	115.2	172.8	230.4	288	345.6	403.2
Operating Voltage [V]	97.2 - 131.4	145.8 - 197.1	194.4 - 262.8	243.0 - 328.5	291.6 - 394.2	340.2 - 459.9
Max. Continuous Discharge Rate [kW]	5.76	8.64	11.52	14.40	17.28	20.16
Recommended Discharge Current [A]	25					
Max. Charge / Discharge Current [A]	50					
Peak Discharge Current [A]	65A @30sec					
Round-trip Efficiency	>95%					
Depth of Discharge	90%					
Cycle Life	>6000					
Communication	CAN, RS485					
Display	PSH-M: LED, PSH-S: LED					
Scalability	Hybrid HS minimum 2 Modules / Hybrid HT minimum 4 modules / Max 7 modules					
OPERATING CONDITIONS	PSUS4000H-2	PSUS4000H-3	PSUS4000H-4	PSUS4000H-5	PSUS4000H-6	PSUS4000H-7
Installation Location	Outdoor / Indoor [Stand]					
Operating Temperatures (°C / °F)	-10 to 55°C / 14 to 131°F					
Storage Temperatures (°C / °F)	-20 to 55°C / -4 to 131°F					
Cooling Method	Natural Convection					
Humidity	5% to 95% (Non-condensing)					
Altitude	Max. 2,000m / 6,561ft					
MECHANICAL CHARACTERISTICS	PSUS4000H-2	PSUS4000H-3	PSUS4000H-4	PSUS4000H-5	PSUS4000H-6	PSUS4000H-7
Dimensions [W x H x D] [mm]	570x350x380	570x470x380	570x590x380	570x710x380	570x830x380	570x950x380
Dimensions [W x H x D] [inch]	22.4x13.8x15.0	22.4x18.5x15.0	22.4x23.2x15.0	22.4x28.0x15.0	22.4x32.7x15.0	22.4x37.4x15.0
Weight - Main / Sub [lbs]	84.1 / 76.8	84.1 / 153.6	84.1 / 230.4	84.1 / 307.2	84.1 / 384.0	84.1 / 460.8
Total Weight [lbs]	161.7	238.5	315.3	392.0	468.8	545.6
CERTIFICATES	PSUS4000H-2	PSUS4000H-3	PSUS4000H-4	PSUS4000H-5	PSUS4000H-6	PSUS4000H-7
Safety	UL1973 / UL9540 / UL9540A					
Transportation	UN38.3					
Ingress Protection	Type 4X (IP65)					
Certificate	G98, VDE-AR-N 4150, G99, EN50438, CEI 0-21, VDE 2510, NRS097-2-1					
WARRANTY	PSUS4000H-2	PSUS4000H-3	PSUS4000H-4	PSUS4000H-5	PSUS4000H-6	PSUS4000H-7
Standard Warranty	12.5 years					

Energizer. Solar

ENERGISTACK CONFIGURATIONS



Single Phase Hybrid Inverter
3.97kWh EnergiStack

