

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

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**

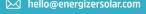
broad range of storage applications.

- 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.













Type 4X





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 3 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**

