

Energizer. Solar

# EnergiStack Hybrid Stackable Battery

2.9kWh

AUSTRALIAN 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 6 batteries can be installed in series, allowing for a maximum storage capacity of 20.16kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.

## High Voltage Stackable Battery System

- 2.88 kWh Nominal Capacity
- Scalable to 20.16 kWh
- 90% Depth of Discharge
- Wide Temperature Tolerance
- Easy Installation
- CAN / RS485 Communication
- Compatible with Energizer Solar Force Hybrid Inverters
- 10 Year Warranty



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Expandable Storage



High Performance



IP65 Rated



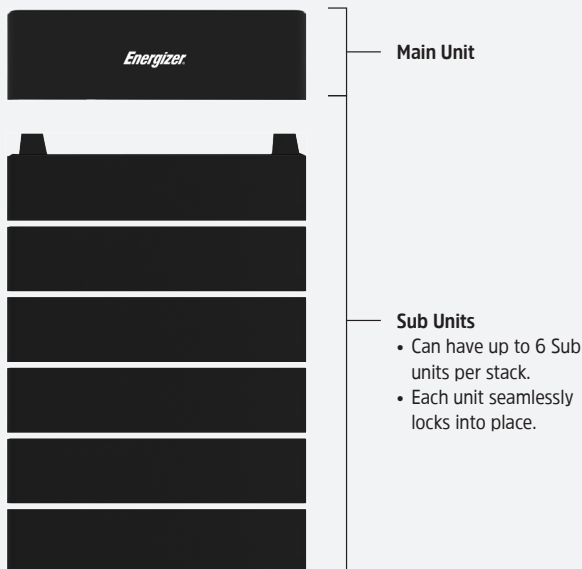
Remote Monitoring

ELECTRICAL CHARACTERISTICS	PS2900H-2	PS2900H-3	PS2900H-4	PS2900H-5	PS2900H-6	PS2900H-7
Battery Type	LiFePO4 Prismatic Cell					
Battery Modules	1 x PS2900H-M 1 x PS2900H-S	1 x PS2900H-M 2 x PS2900H-S	1 x PS2900H-M 3 x PS2900H-S	1 x PS2900H-M 4 x PS2900H-S	1 x PS2900H-M 5 x PS2900H-S	1 x PS2900H-M 6 x PS2900H-S
Nominal Capacity [Wh]	5760	8640	11520	14400	17280	20160
Usable Capacity [Wh]	5184	7776	10368	12960	15552	18144
Nominal Voltage [V]	115.2	172.8	230.4	288	345.6	403.2
Nominal Power [kW]	5.76	8.64	11.52	14.40	17.28	20.16
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
Recommend 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 <sup>1</sup>	>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					
Compatibility	Energizer Solar Force Hybrid Inverters					
OPERATING CONDITIONS	PS2900H-2	PS2900H-3	PS2900H-4	PS2900H-5	PS2900H-6	PS2900H-7
Installation Location	Outdoor / Indoor [Stand]					
Operating Temperatures (°C / °F) <sup>2</sup>	Charge: 0 to 55°C / 32 to 131°F Discharge: -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. 2,000					
MECHANICAL CHARACTERISTICS	PS2900H-2	PS2900H-3	PS2900H-4	PS2900H-5	PS2900H-6	PS2900H-7
Dimensions [W x H x D] [mm]	570x350x380	570x470x380	570x590x380	570x710x380	570x830x380	570x950x380
Weight - Main / Sub [kg]	39.3 / 31.8	39.3 / 63.6	39.3 / 95.4	39.3 / 127.2	39.3 / 159	39.3 / 190.8
Total Weight [kg]	71.1	102.9	134.7	166.5	198.3	230.1
CERTIFICATES	PS2900H-2	PS2900H-3	PS2900H-4	PS2900H-5	PS2900H-6	PS2900H-7
Safety	IEC 62619					
Transportation	UN38.3					
Ingress Protection	IP65					
EMC	EN IEC 61000-6-1/2/3/4					
OTHER	PS2900H-2	PS2900H-3	PS2900H-4	PS2900H-5	PS2900H-6	PS2900H-7
Standard Warranty <sup>3</sup>	10 years					
Country or Manufacture	China					

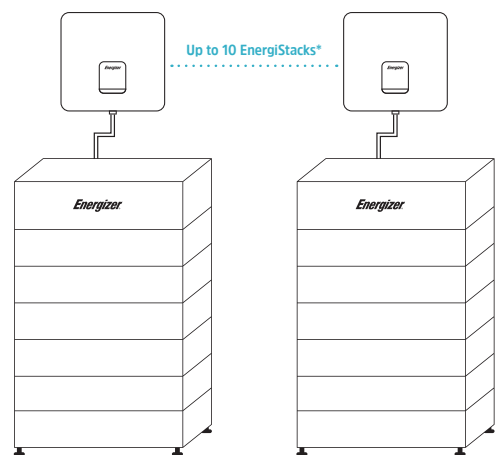
\*1, 25°C, @90% DOD, 0.5C charging/discharging.

\*2, Charge derating will occur between 0°C and +15°C.

\*3, Refer to the battery warranty document for warranty conditions.



### MULTIPLE ENERGIZER SOLAR ENERGISTACKS



Multiple Energizer Solar EnergiStack's can be linked together for a greater kWh range.

\*Only applies for Three Phase Hybrid Series inverters