

# Energizer®

## SOLAR STORAGE



2.9 kWh

# POWERSTACK

## HYBRID STACKABLE BATTERY

The *Energizer* Powerstack 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 20kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.



HIGH  
PERFORMANCE



EXPANDABLE



IP65  
RATED



REMOTE  
MONITORING

### High Voltage Stackable Battery System

- 2.9 kWh Capacity
- Scalable to 20 kWh
- 90% Depth of Discharge
- Wide Temperature Tolerance
- Easy Installation
- CAN / RS485 Communication
- 10 Year / 6000 Cycles Warranty

✉ [hello@energizersolar.com](mailto:hello@energizersolar.com)

🌐 [energizersolar.com](http://energizersolar.com)

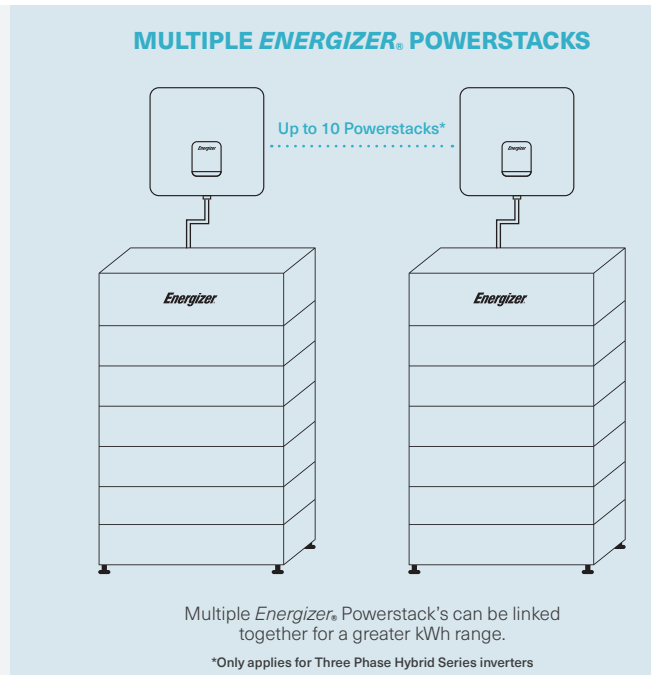
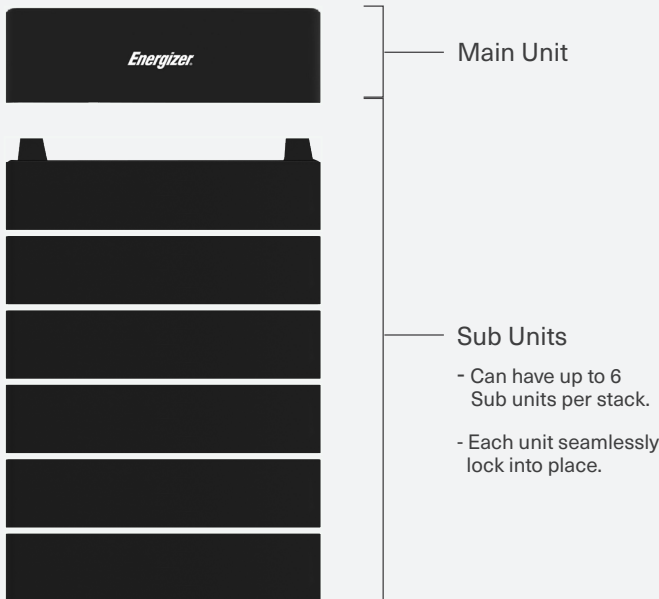
ELECTRICAL CHARACTERISTICS	PS2900H-2	PS2900H-3	PS2900H-4	PS2900H-5	PS2900H-6	PS2900H-7
Battery Type	LiFePO4 Prismatic Cell					
Battery Modules	1 x PS2900H-M 1 x PS2900H-S	1 x PS2900H-M 2 x PS2900H-S	1 x PS2900H-M 3 x PS2900H-S	1 x PS2900H-M 4 x PS2900H-S	1 x PS2900H-M 5 x PS2900H-S	1 x PS2900H-M 6 x PS2900H-S
Nominal Capacity [Wh]	5800	8700	11600	14500	17400	20300
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 - 328.5	291.6 - 294.2	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	>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	PS2900H-2	PS2900H-3	PS2900H-4	PS2900H-5	PS2900H-6	PS2900H-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	0% to 100% (No 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
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 [kg]	34.5 / 32.1	34.5 / 64.2	34.5 / 96.3	34.5 / 128.4	34.5 / 160.5	34.5 / 192.6
Total Weight [kg]	66.6	98.7	130.8	162.9	195	227.1

CERTIFICATES	PS2900H-2	PS2900H-3	PS2900H-4	PS2900H-5	PS2900H-6	PS2900H-7
Safety	IEC 62619					
Transportation	UN38.3					
Ingress Protection	IP65					
Certificate	G98 / VDE-AR-N 4105 / G99 / EN50438 / CEI 0-21 / VDE 2510 / NRS097-2-1					

WARRANTY	PS2900H-2	PS2900H-3	PS2900H-4	PS2900H-5	PS2900H-6	PS2900H-7
Standard Warranty	10 years / 6000 cycles					

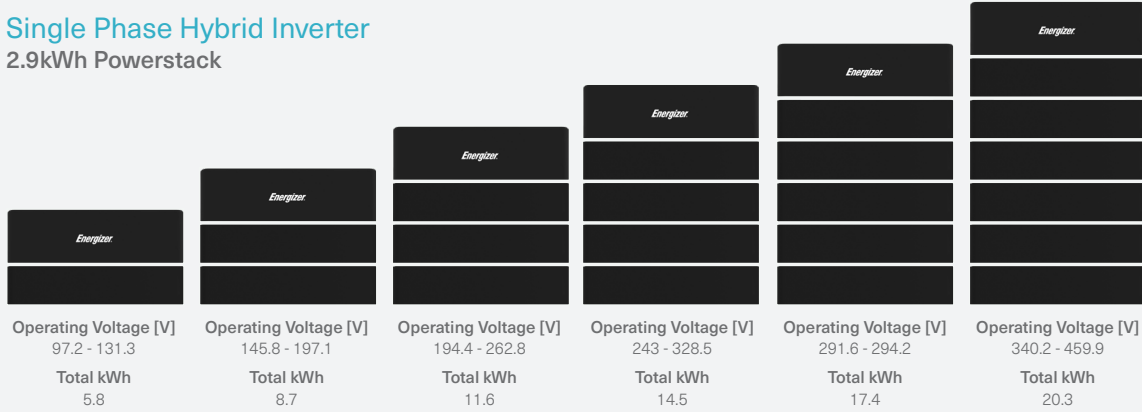




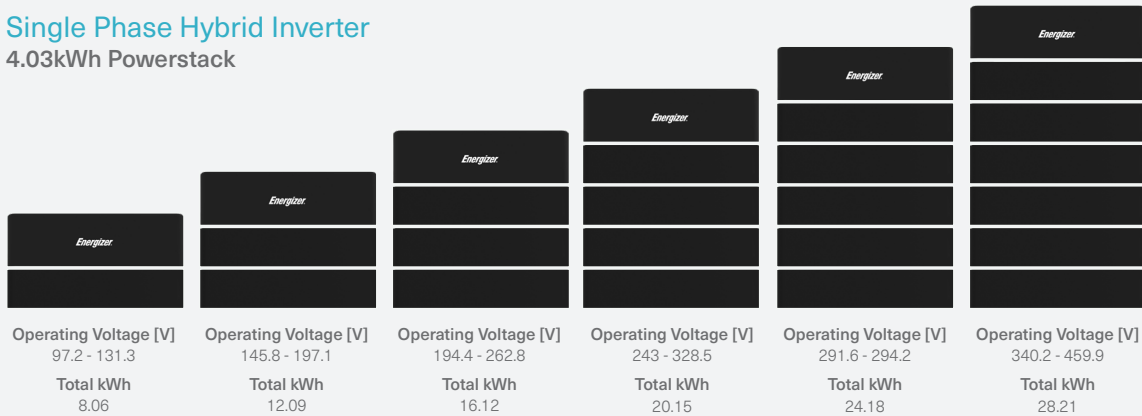
# POWERSTACK CONFIGURATION



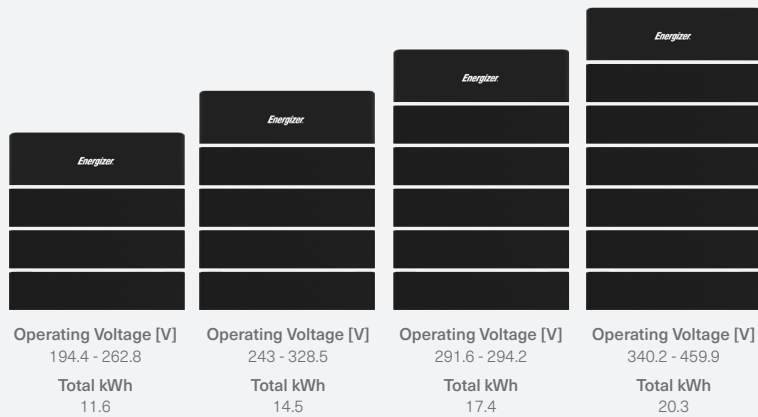
Single Phase Hybrid Inverter  
2.9kWh Powerstack



Single Phase Hybrid Inverter  
4.03kWh Powerstack



Three Phase Hybrid Inverter  
2.9kWh Powerstack



Three Phase Hybrid Inverter  
4.03kWh Powerstack

