





Blade Battery 7KWh Powerwall

Product Specification



-  Auto ID
-  Automatically assign any host
-  Smart Temperature Control
-  Smart parallel technology compatible with batteries with different SOC and voltages

Efficiency with up to 90% usable energy

IP20 Protection Rating

Modular design, natural cooling, indoor use

Supports up to 32 units in parallel, with a total capacity of up to 225.92 kWh

Intelligent temperature control guarantees battery safety and longevity

Cycle life exceeds 6000 cycles for long-lasting reliability.



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Technical Specification

Model no	ES S4020
Battery module Energy	7.06kWh
Useable energy	6.9kWh
Max Output Power	5kW
Peak Output Power	5.6kW
Nominal Voltage	51.2V
Operating Voltage range (Single Phase)	43.2V-57.6V
Dimension (W/D/H)	1090x580x80mm
Weight	75 Kg
Installation	Wall mount
Operating Temperature	10C~+55C
Operatign Altitude	0-3000 m (Derating above 2000 m)
Environment	Indoor
Relative Humidity	5%~95%
Cooling	Natural Convection
Protection Rating	P20
Noise Emission	db
Cycle Life	>6000 (@25C, DoD 90%)
Display	SOC Status indicator LED Indicator
Cell Technology	BYD Blade Battery (LiFePo4)
Scalability	Max 32 Systems in parallel operation
Communication Ports	CAN / RS485
Warranty	5 Years Standard (10 Years Optional)