

RESIDENTIAL ESS SOLUTION



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Flexible

- Modular design, easy to expand, Max. 64 units in parallel, Max. capacity of 327kWh
- Suited to residential and commercial applications for increasing the self-consumption ratio



Safer

- Cobalt Free Lithium Iron Phosphate (LFP) Battery: Safety and long Lifespan, high efficiency and high power density
- Intelligent BMS, providing complete protection



Convenient

 Battery module auto networking, easy maintenance, support remotely monitoring and upgrade, support USB drive upgrade the firmware.



Cyclor

327kWh

Max. Capacit

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Reliable

- $_{\odot}$ Support high discharge power
- IP20, natural cooling
- Wide temperature range: -20 °C to 55 °C



Eco-Friendly

 Use environmental protection materials, the whole module
 pon-toyic pollution-free 70%

10 Years

Marranty



Rack-Mounted Battery (LV)

Model		SE-G5.1 Pro-B	
Main Parameter			
Battery Chemistry		LiFePO ₄	
Built-in Circuit Breaker		125A 2P, 60Vdc	
Capacity (Ah)		100	
Scalability		Max. 64 pcs pack (327kWh) in parallel (Max. 32 pcs no external setup)	
Nominal Voltage (V)		51.2	
Operating Voltage (V)		43.2 ~ 57.6	
Energy (kWh)		5.12	
Usable Energy (kWh) [1]		5.12	
Charge / Discharge Current (A) [2]	Recommend	50	
	Max	100	
	Peak (2mins, 25°C)	150	
Other Parameter			
Recommend Depth of Discharge		90%	
Dimension (W \times H \times D, mm)		440 × 133 × 540	
Weight Approximate (kg)		45	
Master LED Indicator		5LED (SOC: 20% ~ SOC100%), 3LED (working, alarming, protecting)	
IP Rating of Enclosure		IP20	
Operating Temperature		Charge : $0\sim55^\circ\text{C}$ (Optional heating : -20°C ~ 55°C), Discharge : -20°C $\sim55^\circ\text{C}$	
Storage Temperature		0°C ~ 35°C	
Humidity		5% ~ 95%	
Altitude		≤2000m	
Cycle Life		≥6000 (25°C±2°C, 0.5C / 0.5C, 90%DOD, 70%EOL)	
Installation		Wall-Mounted, Floor-Mounted, Rack-Mounted (19-inch standard cabinet, cabinet depth ≥600mm)	
Communication Port		CAN2.0, RS485	
Warranty Period ^[3]		10 years	
Energy Throughput		16MWh@70%EOL	
Certification		UN38.3, IEC62619, CE, UK, VDE 2510-50, CEI 0-21, FCC, UL1973, UL9540A	

- [1] DC Usable Energy, test conditions: 100% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.
- [2] The current is affected by temperature and SOC.
- [3] Conditions apply, refer to Deye Warranty Letter.



Typical Configuration

Support 12kW, 15kW inverters to connect the battery, and 3 to 12 batteries can be connected in parallel.				
1 hour solution	3xSE+12kW Inverter	3xSE+15kW Inverter		
2 hours solution	5xSE+12kW Inverter	6xSE+15kW Inverter		
3 hours solution	8xSE+12kW Inverter	9xSE+15kW Inverter		
4 hours solution	10xSE+12kW Inverter	12xSE+15kW Inverter		

