



CE FC MSDS UN38.3

5/10/15/20KW

6000+ Cycle Life

Grade A CATL Cells

Safety Smart BMS

10 Years Warranty

Dawnice Energy LiFePO4 Battery

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Features

Website: <https://www.energydawnice.com/>

Lift-up Mobility

- From 5.12kWh to 614.4kWh
- Between 2 to 8 battery modules can be used in single stack to give 10.24 to 40.96kWh usable capacity
- Up to 15 stacks can be connected in parallel to give a maximum 614.4kWh usable capacity
- Additional module or parallel stack can be added to increase capacity

Safety Guaranteed

- LFP battery, Cobalt free, environmentally friendly
- Maximized safety, cycle life, and power output

Wide-range Application Scenarios

- Suitable for Emergency-Backup and Off-Grid
- Self-Consumption Optimization for Residential and Commercial

Compatible Inverter Brands:



Main Control Module	MC100-200M2						
Battery Module	FS48100-160SJ1						
Battery Module QTY	2	3	4	5	6	7	8
Usable Energy (kWh) ^[1]	10.24	15.36	20.48	25.6	30.72	35.84	40.96
Max Continuous Power (kW) ^[2]	9	13			15		
Max Peak Current (A) ^[3]	200,10s	300,10s	400,10s			500,10s	
Nominal Voltage (V)	51.2						
Operating Voltage Range (V)	43.2-58.4						
Cycle Life	8000 times						
Communication	CAN/RS485/RS232/WIFI						
LxWxH (mm)	735x400 (L*W)						
	635	770	905	1040	1176	1311	1446
Net Weight (kg)	138	189	240	291	342	393	444
Protection Level	IP55						
Warranty ^[4]	10 years product warranty						
Operating Temperature ^[5]	-20 °C to +55 °C (Charge 0 °C to +55 °C)						
Certification	CE/UKCA/IEC 62619/UL 1973/UL9540/UN 38.3/MSDS						
Scalability	Max.15 systems in parallel						
Application	ON Grid (Self consumption/ON Grid+Backup/Backup) and Off Grid						

[1] Test conditions: 100% DOD, 0.2C charge & discharge @+25 °C. System Usable Energy may be variant with different inverter brands.

[2] Main circuit breaker maximum current capability.

[3] In off-grid applications, the main circuit breaker should be bypassed, use a separate circuit breaker with a large current capacity.

[4] Conditions: Refer to Power Base Mate warranty.

[5] -20 °C ~ 15 °C / 50 °C ~ 55 °C will be derating.