

STORAGE LITHIUM BATTERY

F03 Series

14.34kWh, 16.07kWh | 51.2V | LFP



Model:	F03-51.2280	F03-51.2314
Nominal voltage (V)	51.2	
Cell specifications (Ah)	280	314
Nominal capacity (Ah)	280	314
Nominal energy (kWh)	14.34	16.07
Working voltage range (V)	44.8-58.4	
Recommended charging voltage (V)	56.8	
Recommended discharge cut-off voltage (V)	44.8	
Maximum charging current (A)	140	150
Maximum discharge current (A)	140	150
Cycle life	6000 times (0.5C, 90%DOD, 25°C)	
Chassis size(W*D H)mm	600 * 230 * 615/700 (including wheels)	
Weight (kg)	120	125
Communication method	CAN/RS485/Bluetooth/WIFI	
Number of parallel machines	20 units	
Allowable humidity range (% RH)	15-85	
Storage environment temperature (°C)	-20-60 (recommended 10-35)	
Charging environment temperature (°C)	0-50 (recommended 10-35)	
Discharge environment temperature (°C)	-10-60 (recommended 10-35)	
Altitude (m)	<3000	
Protection grade	IP20	
Cooling method	Natural air cooling	
Condition	indoor	
Protection method	Overvoltage, undervoltage, differential voltage, overtemperature, capacity, short circuit, communication failure, etc	
Certificate	UN38.3, MSDS, CE	

20-Unit Scalability

Dynamically scale up to 20 units to meet growing power demands.

6,000-Cycle Life

0.5C & 90% DOD testing ensures highly reliable, long-term performance.

Universal Compatibility

Massive built-in protocol library matches all mainstream inverter brands.

Wheeled Arc Design

Sleek appearance, wheeled structure for easy mobility.

Advanced Protection

Comprehensive battery management ensures ultimate system safety and stability.

Global Certification

CE, UN38.3, MSDS certified with CAN/RS485/WiFi smart connectivity.

*The technical specifications of this document are subject to change without any notice