

STORAGE LITHIUM BATTERY

F01 Series

5.12~10.24kWh | 51.2V | LFP



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.

Wall-Mount Design

Space-saving, arc-shaped structure seamlessly integrates into modern homes.

Advanced Protection

Comprehensive battery management ensures ultimate system safety and stability.

Global Certification

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

Model:	F01-51.2100	F01-51.2200	F01-51.2200-B
Nominal voltage (V)	51.2		
Cell specifications (Ah)	100		
Nominal capacity (Ah)	100	200	
Nominal energy (kWh)	5.12	10.24	
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)	50	100	
Maximum discharge current (A)	50	100	
Cycle life	6000 times (0.5C, 90%DOD, 25°C)		
Chassis size(W*D H)mm	380*148*615	430*240*630	550*148*780
Weight (kg)	46	85	83
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		

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