



Fidus Battery



Extraordinary Performance

Continuous 1C Rate
Peak Rate 2C@15S
95% DOD



Resilient in Harsh Conditions

Various Outdoor Scenarios Available
Top Anti-Corrosion Level
Cell Level Heating for Extreme Cold



Flexible and Compatible

Strong Scalability from 5kWh~583kWh (1-114 Modules)*
50+ Popular Inverter Brands Compatible
Wall/ Ground/ Rack Mounted Applicable



Model

Nominal Voltage (VDC)	51.2
Nominal Capacity (kWh)	5.12
Usable Capacity (kWh)	4.86
Depth of Discharge (%)	95
Dimensions (mm)	630*170*363
Weight (Kg)	45
Discharge Voltage (VDC)	42.5 ~ 56.8
Charge Voltage (VDC)	56 ~ 56.8
Maximum Continuous Charge/Discharge Current (A)	100/100
Peak Charge/Discharge Current (A)	103 ~ 120 @2 minutes / 121 ~ 200 @15 seconds
Communication	CAN, RS485
Configuration (maximum quantity in one battery group)*	20
Configuration (maximum strings)*	6
Working Temperature(°C)**	-10~55 (Normal Version) -20~55 (Self-heating vision)
Storage Temperature (°C)	-20 ~ 60
Short Current/Duration Time (A/1ms)	< 1,000
Cooling Type	Natural
Protective Class	I
IP Rating of Enclosure	IP65
Anti-corrosion	C5-M
Humidity(% , RH, No Condensation)	5 ~ 95
Altitude(m)	≤4000
Certifications	IEC62619, IEC63056、 VDE2510-50、 IEC62477-1、 UN38.3, RoHS, Reach, WEEE, EMC/CE
Design Life (year) (25°C / 77°F)	15
Cycle Life (25°C / 77°F) ***	8000
Interaction	LED, Bluetooth and WI-FI (Optional)

* LV-HUB-V2 required for multi-group parallel connection; each group supports up to 19 batteries.

** Self-heating activates between -20°C and -10°C; charging/discharging allowed only above -10°C. BMS limits current in extreme temperatures.

*** Data based on 25°C, 0.5C rate, and 5%-95% SOC conditions.