



Low Voltage Battery Fidus Battery Max



High-Capacity Energy Storage

- 20kWh usable energy with 100% DoD for extended backup power and increased energy independence.



Built for Harsh Environments

- IP65-rated enclosure, C5-M anti-corrosion protection, and integrated self-heating technology for reliable outdoor performance.



Superior Safety & Reliability

- Advanced BMS protection and built-in fire suppression module ensure safe and reliable operation.



Flexible Expansion & Smart Monitoring

- Supports up to 16 batteries per group and 6 parallel groups, with real-time monitoring via APP, Bluetooth, Wi-Fi, and display screen.



Fidus Battery Max



FB-L-20



FB-L-20-Pro

Model

Nominal Voltage (VDC)	51.2	
Usable Capacity (kWh)*	20.07	
Nominal Capacity (kWh)	20.07	
Depth of Discharge (%)*	100	
Dimensions (W*D*H mm)	460*260*980	
Weight (Kg)	155	
Discharge Voltage (VDC)	42 ~ 56.8	
Charge Voltage (VDC)	53.3 ~56.8	
Maximum Continuous Charge/Discharge Current (A)	200/200	
Peak Charge/Discharge Current (A)	300A@15s	
Communication	CAN, RS485	
Configuration (maximum quantity in one battery group)*	16	
Configuration (maximum strings)**	6	
Working Temperature (°C) Charge***	0~55	-20~55
Working Temperature (°C) Discharging***	-20~55	
Storage Temperature (°C)	-20 ~ 60	
Short Current/Duration Time (A/1ms)	<1000A/1ms	
Cooling Type	Natural	
Protective Class	I	
IP Rating of Enclosure	IP65	
Anti-corrosion	C5-M	
Humidity (% , RH, No Condensation)	5 ~ 95	
Altitude (m)	≤4000	
Interaction	Display screen, Bluetooth and WIFI (Optional)	
Fire Extinguishing / Firefighting	Aerosol (Optional)	
Design Life (year) (25°C /77°F)	10	
Cycle Life (25°C /77°F)****	8000	
Certifications	IEC62619, IEC63056, UN38.3, EMC/CE	

*Supports 100% DoD. Rated capacity is based on 25°C at 0.2C. The default minimum SOC is 5% and can be adjusted as required.

**LV-HUB-V2 is required for multi-cluster parallel connection. Up to 19 batteries per cluster.

***The BMS may limit charge and discharge current at low and high temperatures. For temperatures between -20°C and 0°C, charging is enabled only after battery heating raises the battery temperature above 0°C.

****Based on 25°C, 0.2C charge/discharge rate, and 5%–95% SOC.