



Low Voltage Battery

Fidus Battery Plus



Superior Safety & Reliability

- Multi-layer protection design with a built-in fire suppression module



Flexible Installation Options

- Supports both wall-mounted and floor-standing installations



Built for Harsh Environments

- Rated IP65 with C5-M anti-corrosion protection

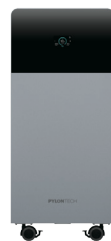


Smart Monitoring & Maintenance

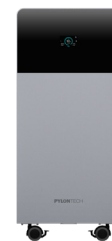
- Real-time system monitoring through APP and LED display



Fidus Battery Plus



FB-L-16



FB-L-16-Pro

Model

Nominal Voltage (VDC)	51.2	
Nominal Capacity (kWh)	16.1	
Usable Capacity (kWh)	16.1	
Depth of Discharge*	100%	
Dimension (W*D*H mm)	435*240*900	
Weight (kg)	120	122
Discharge Voltage (VDC)	42.5~57.6	
Charge Voltage / Charge Upper Voltage (VDC)	56.8~57.6	
Charge/Discharge (Normal)	188/200	
(A) (Peak)	300A@15s	
Communication port	CAN/RS485	
Configuration (maximum quantity in one battery group)	16	
Configuration (maximum strings)**	6	
Working Temperature (°C) Charge***	0~55	-20~55 (self-heating)
Working Temperature (°C) Discharge***	-20~55	-20~55 (self-heating)
Storage Temperature (°C)	-20~60	
Protective Class	I	
IP Rating	IP65	
Anti-corrosion	C5-M	
Humidity (% RH, No Condensation)	5~95%	
Altitude (m)	≤4000	
Interaction	Display screen/Bluetooth and WIFI	
Fire extinguishing / Firefighting	Aerosol	
Design Life (@25°C)	10 Years	
Cycle Life (@25°C)****	8,000+	
Certification	IEC62619/IEC63056/UN38.3/EMC/CE	

*The battery supports 100% DoD operation and can deliver the rated capacity at 25°C @ 0.2C. The default SOC lower limit is 5%, which can be adjusted as needed.

** When installing multiple batteries, the LV-HUB-V2 product is required to enable parallel connection of multiple batteries. The LV-HUB-V2 serves as the master unit, with a maximum of 15 batteries per group.

*** In low and high temperature section, BMS will reduce the recommended current and need to be used with reduced power; In the range of -20°C to 0°C, charging is permitted after the battery temperature is raised above 0°C via the heating function.

**** 25°C/0.2C, for details, please seek technical support from Pylontech.