

FIDUS BATTERY PLUS



Superior Safety and Reliability

Multi-layer protection design, built-in fire suppression module



Designed for Extreme Conditions

Available in extreme cold region, against water jet, fully dustproofed, smoke & salty air resistant.



Flexible Installation

Wall-mounted or floor-standing.



Smart Monitoring

APP & LED display



YOUR HOME BATTERY


Fidus Battery Plus

Model		Rechargeable Li-ion Battery	FB-L-16	Fidus Battery Plus	FB-L-16-Pro
Nominal Voltage (Vdc)		51.2			
Nominal Capacity (Wh)		16076			
Usable Capacity (Wh)*		16076			
Depth of Discharge (%)*		100			
Dimensions (mm)		435(W)*240(D)*900(H)			
Weight (Kg)		130kg			
Discharge Voltage (Vdc)		40 ~ 56.8			
Charge Voltage (Vdc)		56 ~ 56.8			
Maximum Continuous Charge/Discharge Current (A)		180/200			
Peak Charge/Discharge Current (A)		300A@15s			
Communication		CAN , RS485			
Configuration (maximum quantity in one battery group)*		20			
Configuration (maximum strings)**		6			
Working Temperature (°C) ***	charging:	0~55	-20 ~ 55		
	discharging:	-20~60	-20 ~ 55		
Storage Temperature (°C)		-20 ~ 60			
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、UN38.3、EMC/CE			
Design Life (year) (25°C /77°F)		15			
Cycle Life (25°C /77°F) ÷*		8000			
Interaction		Display screen、Bluetooth and WIFI			
Fire extinguishing		Aerosol (Optional)			

*Battery supports 100% DoD; rated capacity at 25°C, 0.2C discharge. Default SOC lower limit set at 5%, adjustable.

** For multi-group setups, LV-HUB-V2 is required for parallel connection; acts as master. Max 19 batteries per group.

*** BMS limits charge/discharge current in extreme temps. Between -20°C and 0°C, battery heating activates to allow charging above 0°C.

**** Specs based on 25°C, 0.2C charge/discharge, SOC range 5%-95%.