PYLONTECH

FIDUS BATTERY PLUS

Superior Safetyand 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

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Fidus Battery Plus

Model

		FB-L-16	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)		200/200	
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) ù*		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%.