



Low Voltage Battery Fidus Battery EU



Extraordinary Performance

- Continuous 1C rate, Peak 2C rate for 15s
- 95% DoD for maximum usable energy



Built for Harsh Environments

- Cell-level heating ensures reliable operation in extreme cold
- Designed for various outdoor installation scenarios



Flexible & Highly Scalable

- 5.12 kWh modules, up to 583kWh with parallel expansion



Easy Integration & Installation

- Compatible with 50+ popular inverter brands
- Wall-mounted, ground-mounted, or rack-mounted installation options



Fidus Battery EU



Model

FB-L-5.12-EU

FB-L-5.12-EU-Pro

* Nominal Voltage (VDC)	51.2	
Nominal Capacity (kWh)	5.12	
Usable Capacity (kWh)	4.86	
Depth of Discharge	95%	
Dimension (W*D*H mm)	600*170*363	
Weight (kg)	45	
Discharge Voltage (VDC)	42.5~56.8	
Charge Voltage / Charge Upper Voltage (VDC)	56~56.8	
Charge/Discharge (Max)	100	
(A) (Peak)	103~120 @2 min / 121~200 @15 s	
Short current/duration time (A/1ms)	<1,000	
Communication port	CAN/RS485	
Configuration (maximum quantity in one battery group)*	20	
Configuration (maximum strings)*	6	
Working Temperature (°C) Charge**	-10~55	-20~55 (Self-heating)
Working Temperature (°C) Discharge**	-10~55	-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	LED/Bluetooth and WI-FI	
Design life (@25°C)	15 Years	
Cycle Life (@25°C)***	8,000+	
Certification	IEC62619/IEC63056/VDE2510-50/IEC62477-1/UN38.3/RoHS/Reach/WEEE/EMC/CE	

* 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.