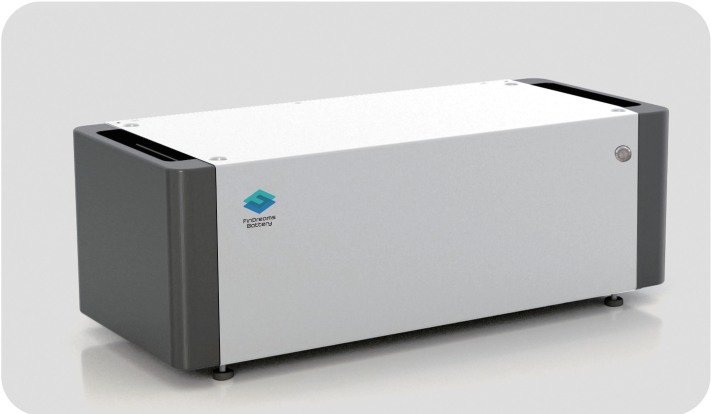
Datasheet of FD-LV5.0



- Scalable from 5 kWh to 160 kWh
- Maximum Flexibility for any Application with up to 32 Packs Connected in Parallel
- Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Lifespan and Power
- High Energy Density and Operational Reliability
- Application: Residential Energy Storage

FD-LV5.0 Battery

The FD-LV5.0 Battery is a lithium iron phosphate(LFP) battery module for use with an external inverter. The communication with the inverter is established through the BMS (Battery Management System). Each battery module has a separate BMS. Furthermore, it can be expanded from 5kWh to 160kWh.

Technical Data

Usable Energy [1]	5kWh
Max. Charge and Discharge Current [2]	70A
Peak Charge and Discharge Current	200A, 10s
Dimension (H/W/D)	195mm x 595mm x 255mm
Weight	42±2kg
Nominal Voltage	51.2V
Operating Voltage	40 ~ 57.6V
Charge Cut-Off Voltage	57.6V
Discharge Cut-Off Voltage	40V
Scalability	Max. 32 in Parallel (160kWh)
Installation Mode	Floor installation
Communication	CAN / RS485
Round-trip Efficiency	≥95%
Applications	On Grid / On Grid + Backup / Off Grid
Operating Temperature	Charge 0~50℃ & Discharge -20~50℃
Protection Class	IP20
Storage Humidity	5%~95%
Altitude	< 4000m
Certification	CE / IEC62619 / UN38.3
Compatible Inverter	Solis/ Deye / Victron/ Megarevo

[1] Test conditions: 95% DOD, 0.2C charge & discharge at 25℃. System Usable Energy may vary with different inverter brands.
[2] Charge derating will occur between 0℃ and +10℃.

FinDreams Battery