DYNESS

DL5.0F

NEW

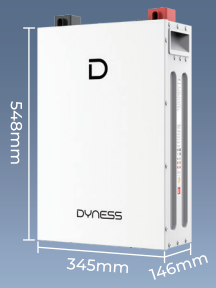
5.12 kWh~256 kWh Capacity
Residential Low-voltage Battery



Various installation methods
Wall/Rack/Floor mounted
Compatible with 19-inch standard racks



CTP (Cell to pack) design
Compact and space-saving



Ultra Safe
Built-in aerosol fire extinguisher
to eliminate fire risks



Smart Monitoring
& Management
APP+Web



1C Discharge
100 A (5.12 kW)



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Information might be subject to change without notice during product improving.

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SPECIFICATION

Model	DL5.0F
Battery Type	$LiFePO_4$(LFP)
Nominal Battery Energy	5.12 kWh
Usable Battery Energy	4.864 kWh
Nominal Capacity	100 Ah
Nominal Voltage	51.2 V
Operating Voltage	44.8 V~57.6 V
Recommended Charge & Discharge C Rate	0.5C (50 A)
Max. Charge C Rate	0.75C (75 A)
Max. Discharge C Rate	1C (100 A)
Peak Discharge Current (25°C)	110 A, 15s
Recommended Charge & Discharge Power	2.56 kW
Max. Charge Power	3.84 kW
Max. Discharge Power	5.12 kW
Depth of Discharge (DOD)	95%
Charge Temp. Range	0~55°C
Discharge Temp. Range	-20°C~55°C
Net Weight	41 kg
Dimension[W/D/H]	345/548/146 mm
Protection Level	IP20
Communication	CAN/RS485
Cycle Life [1]	≥8000 Cycles
User Interface	WIFI+APP (optional)
Safety Protection	Built-in aerosol fire extinguisher
Installation [2]	wall-mounted, floor-standing, flexible bracket, rack-mounted
Expansion	Up to 50 units in parallel
Warranty Period [3]	7Years / 10 Years (optional)
Certification & Safety Standard	UN38.3/CE-EMC/CE-RED/IEC 62619/IEC 63056/RoHS/REACH
Compatible Inverters	SMA/Victron Energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/Deye/Sungrow etc.

[1] Test conditions: 0.2C Charging& Discharging, 25°C, 95% DOD, 70%EOL

[2] Flexible bracket installation, supporting a maximum of 6 modules.

[3] Refer to Dyness Warranty Letter