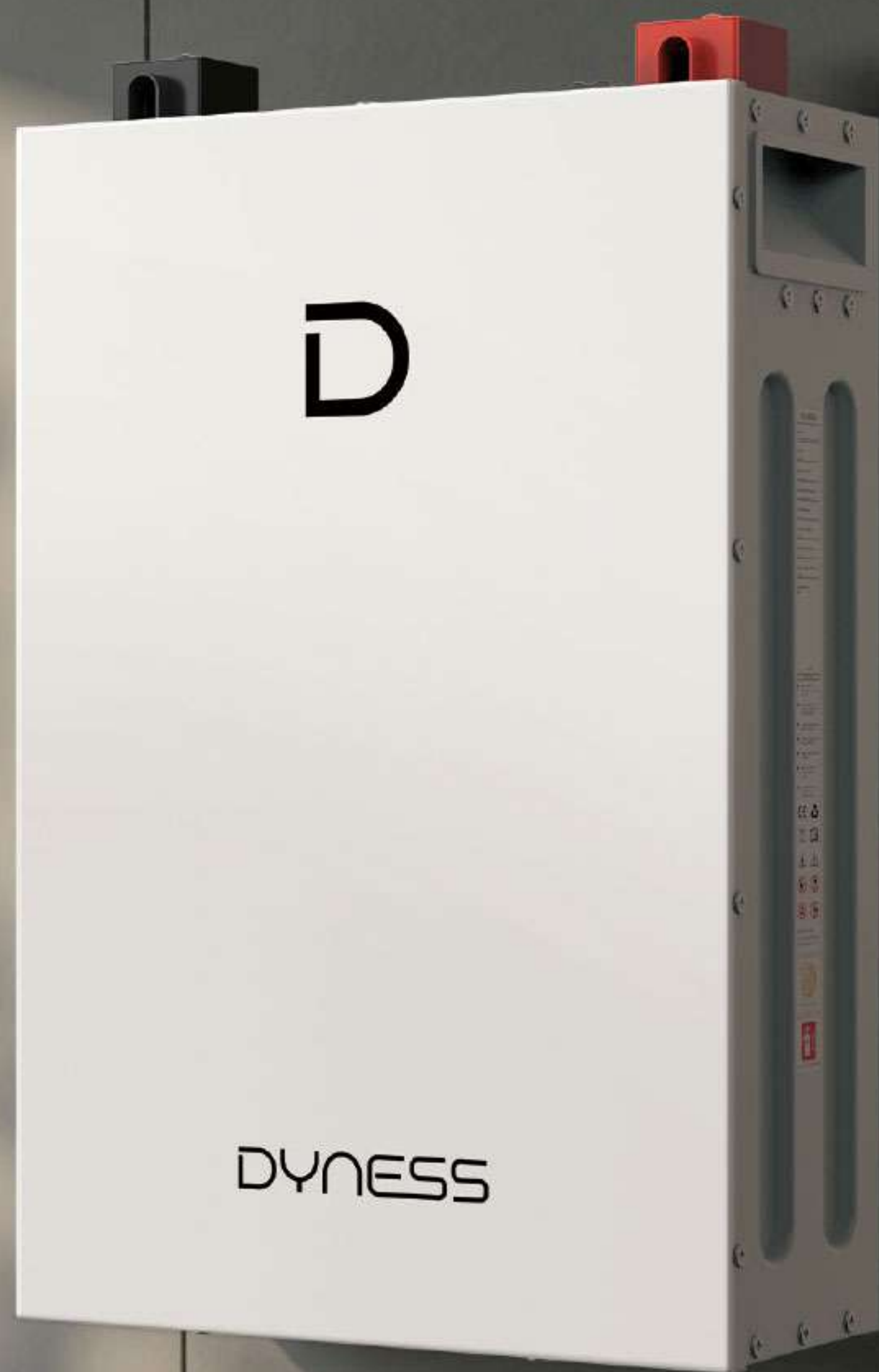


DYNESS

DL5.0F

Fits Anywhere.
Powers Everywhere





Model	DL5.0C	DL5.0F
Battery Type	LiFePO ₄ (LFP)	
Nominal Voltage/Capacity	51.2V/100Ah	
Nominal Battery Energy	5.12kWh	
Recommended Charge & Discharge C Rate	0.5C (50A)	
Max. Charge & Discharge C Rate	0.75C (75A) / 1C (100A)	
Peak Discharge Current (25°C)	110A, 15s	
Depth of Discharge (DOD)	90%	95%
Net Weight	49.9kg	41kg
Dimension[W/D/H]	558/545/150mm	345/548/146mm
Cycle Life	≥6000 Cycles ^[1]	≥8000 Cycles ^[2]
Safety Protection	/	Built-in aerosol fire extinguisher (optional)
Charge Temp. Range	0~55°C/-20~55°C (optional)	
Discharge Temp. Range	-20°C~55°C	
Protection Level	IP20	
Communication	CAN/RS485	
User Interface	WIFI+APP	
Installation ^[3]	Wall-mounted,Rack-mounted, Floor-mounted	
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619	UN38.3/CE-EMC/CE-RED/IEC 62619/IEC 63056/RoHS/REACH

[1] Test conditions: 0.2C Charging& Discharging. @25°C, 90% DOD, 70%EOL

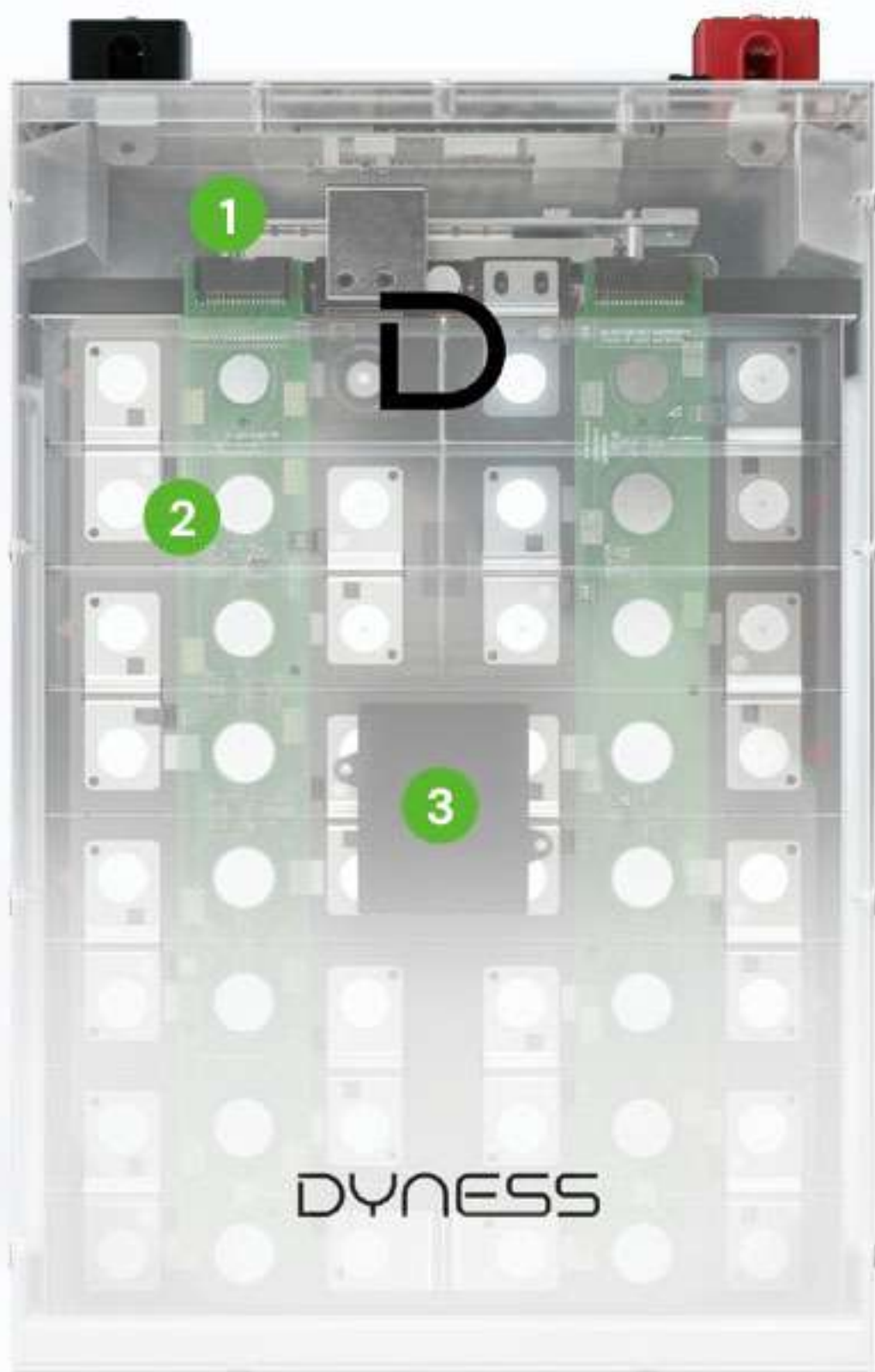
[2] Test conditions: 0.2C Charging& Discharging. @25°C, 95% DOD, 70%EOL

[3] Simple bracket installation, the DL5.0C supports up to 8 modules, while the DL5.0F supports up to 6 modules.

Multi-layer Safety Protection

Well-considered for all

- 1 Smart BMS**
Various protection functions for charging and discharging
- 2 Reliable LFP Battery Cell**
8000+ cycles¹
- 3 Aerosol Fire Extinguisher²**
Detects and extinguishes fire in 5s



¹ Test conditions: 0.2C Charging& Discharging. @25°C, 95% DOD, 70%EOL
² Aerosol fire extinguisher is optional

Higher Space Utilization, Maximum Flexibility

21.7%

Lighter weight

14.6cm

ultra slim

345mm146mm

548mm

DL5.0C

DL5.0F

Space utilization

- Minimal installation footprint
- Allow 1 person to install

Installation method

- Wall-mounted
- Stack-mounted (Compatible with 19-inch standard racks)
- Floor-mounted

Powerful Output

Simultaneously supplying power to multiple loads

Max. Continuous Discharge Power

1C/5.12kW

Dyness solution

VS

Lights	Wi-Fi Router	Television
Freezer	Washer	Air Conditioner

Max. Continuous Discharge Power

0.5C/2.56kW

Other Battery

Lights	Wi-Fi Router
Freezer	Television

Extreme Performance in Diverse Environments

Defying Freezing Cold of **-20°C**

Withstand the Scorching Sun of **55°C**



Smart Management

- Real-time monitoring, full status visibility
- One-click after-sales, efficient problem-solving
- Intelligent alarm, reliable safety protection
- Electricity price monitoring, maximum profit
- AI assistant, instant response
- ...



Versatile Compatibility

Scenario	Energy Demand & Configuration	Installation Recommendation	Inverter Power (kW)										
			3	3.6	5	6	7.6	8	10	12	15	20	30~100kW
Small House	5.12 kWh =DL5.0F*1												
Medium House	10.24 kWh =DL5.0F*2												
	15.36 kWh =DL5.0F*3												
Large House	20.48 kWh =DL5.0F*4												
	25.6 kWh =DL5.0F*5												
Small C&I	Up to 256kWh												

Self-use Off-grid Back-up Wall-mounted/Floor-Standing Customized Cabinet Customized Fixed Rack Budget Limit



Note: Due to space limitations only a selection of compatible inverter brands are shown here. Please refer to the Dyness Compatibility List for more details.

Light Your Home Power Your Life



Maximize self-consumption

The surplus PV power is stored in the battery and then used when PV power is low or at night.

Emergency backup

Guaranteed uninterrupted power supply, no more worries about power outages

Peak-valley arbitrage

Charging by using electricity generated during off-peak hours and discharged to power loads during peak hours to reduce electricity bills.

Energy independence

Provide continuous and stable power support to areas with no grid or unstable grids

Why Dyness Residential ESS?



Safe and Reliable



Extreme Performance



Flexible Expansion



Smart and Efficiency



Business Card



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