VIỆT NAM SOLAR
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DYNESS

DL5.0F

DL5.0F is designed for residential and small commercial applications, with up to 50 units in parallel and an energy range from 5.12 kWh to 256 kWh. It supports wall-mounted, rack-mounted, floor-mounted and is compatible with 19-inch standard racks. It supports 1C discharge rate. With high cycle times and a long lifespan, it ensures worry-free electricity consumption.



Flexible Expansion

Up to 50 units in parallel, 5.12kWh--256kWh capacity

1C Discharge

Simultaneously supplying power to multiple loads, no need to worry about power outages

Automatic Self-heating

-20°C to 55°C operating temperature (optional)

Easy Installation

Support wall-mounted, floor-mounted, and rack-mounted installations, compatible with 19-inch standard racks

Module-Free Design

Direct cell-to-pack integration eliminates modules for compact efficiency

Ultra Safe

Intelligent fire extinguishing system, detects and extinguishes fire in 5s(optional)

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

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

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

[3] Refer to Dyness Warranty Letter