

DYNES

Discover Your Nature

Product portfolio

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Home storages

Portable storages



Balcony energy storage



Portable energy storage

Low voltage modules



Powerbox G2



PowerBrick



DL2.5



DL5.0



DL5.0C

High voltage storages



Tower



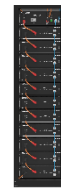
Tower Pro

Commercial & Industrial storages

Indoor cabinets



LV Rack



HV Rack



STACK100



DH100F



DH200F



DH200Y



BF200-DC

DL5.0C Pro——5.12kWh

Residential battery energy storage solution



- 51.2V 95%DOD
- ≥ 6000 cycles¹
- Support 1C Discharge
- 10-year warranty
- Peak 1.2C Discharge(10 mins)



[1]Test Conditions: 0.2C Charging/Discharging,@25°C,90%DOD

Comprehensive Upgrade

Item.	DL5.0C	DL5.0C Pro
Peak Discharge Current	1.1C 110A	1.2C 120A
	10s	10mins
Weight	49.9kg	46kg
Depth of Discharge	90%	95%
WIFI Module	External	Integrated
Fire Extinguisher	×	Optional
LED Display	×	Integrated
Installation	Hassle	Easier



High Energy Density

Compact design with equivalent capacity

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Optimize internal structure

Enhance wiring layout

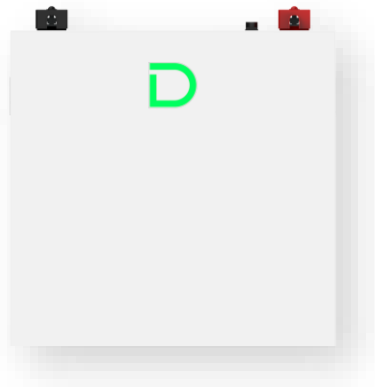
Improve space utilization

17.3%

Smaller Volume

7.8%

Lighter Weight



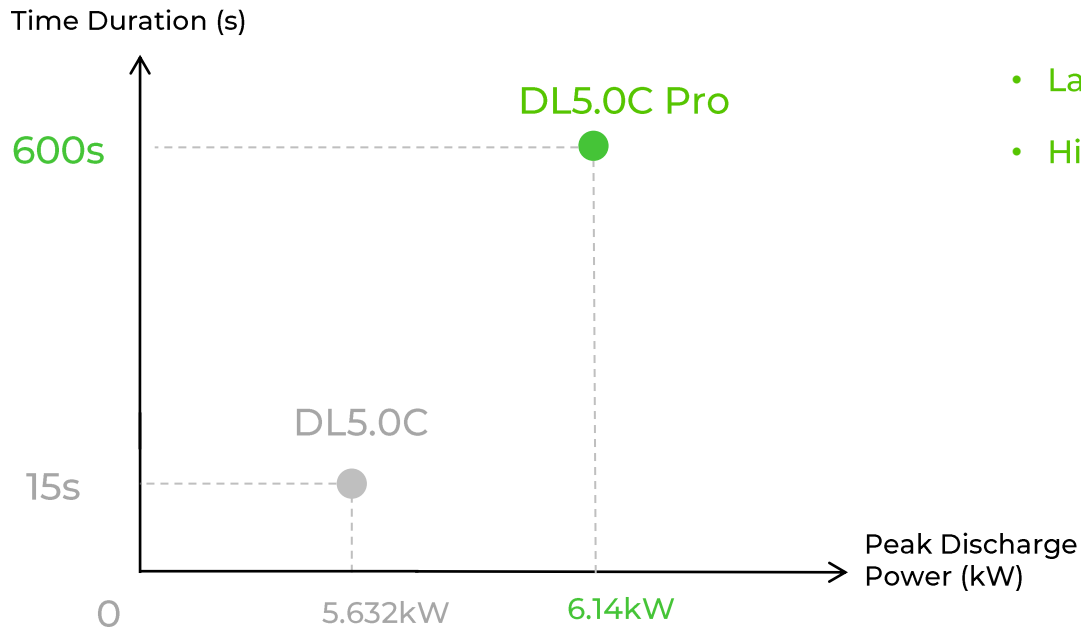
Saving
Installation
Space

Reducing
Labor
Costs

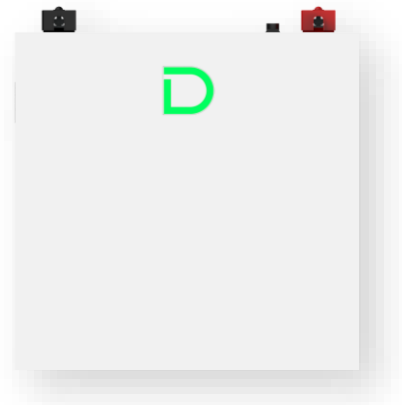
Minimizing
Resource
Waste

Large Power, Higher Efficiency

1.2C Peak Discharge for 10mins



- Larger power output for longer time
- Higher system efficiency (6kW inverter)



Cell Balancing

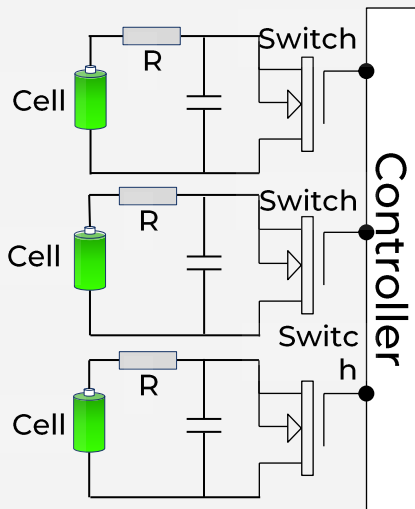
Millisecond level status monitor, real-time battery management and optimization

System Topology & Balancing Ability

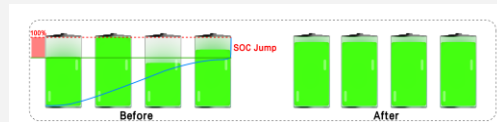
Charge & Static Balance

Balance Current: 100mA

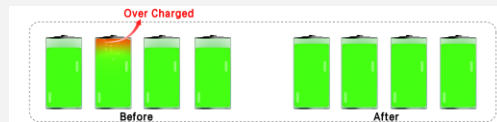
Cells can be balanced simultaneously



Cell Balancing Benefits



More Precise SOC



Higher Cell Uniformity



Longer lifespan



Capacity Fully Used

Ultra safe

Comprehensive protection systems

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High-precision BMS

Cell voltage accuracy: $\pm 0.005V$

Current accuracy: $\pm 2.5\%$

Temperature accuracy: $\pm 1.5^{\circ}C$

LFP Cell

Safe & Stable

Manual Power Control

Power Switch

Wake/Sleep Switch

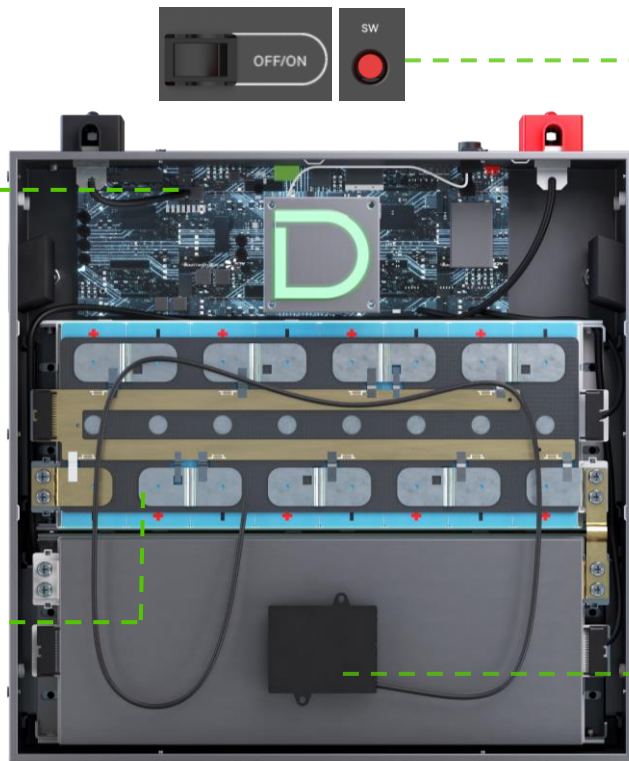
Aerosol Fire Extinguisher (optional)

Anti-fire

Shutdown

Cooling

Detect and extinguish fire within
5 Seconds

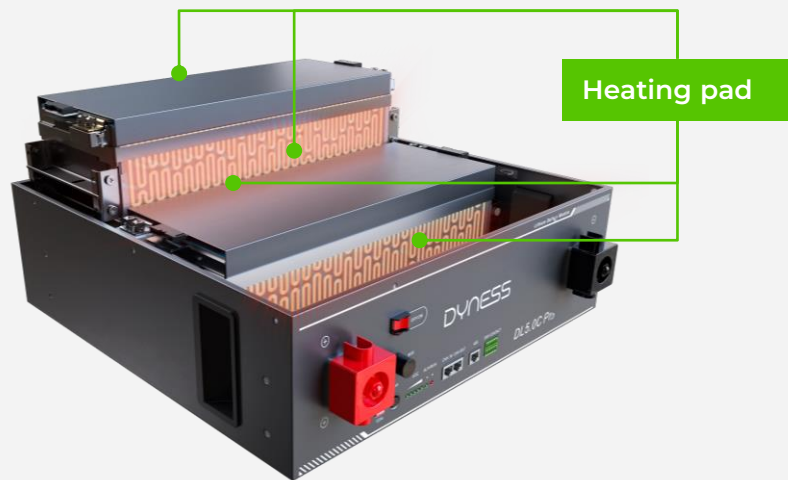


Automatic Self-heating(Optional)

Operation in low temperatures as low as -20°C

4 heating pads in DL5.0C Pro

Each cell is evenly heated



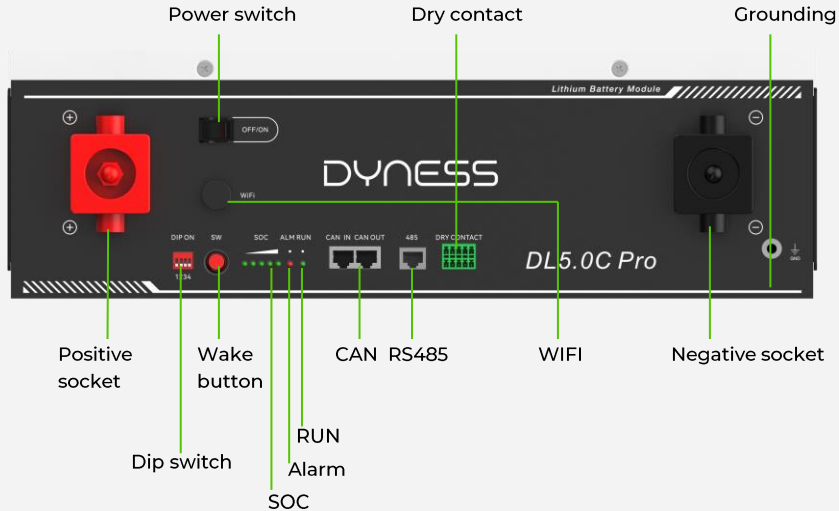
Heating Function works even at -20°C

Battery Cell Temperature

Interface & Installation

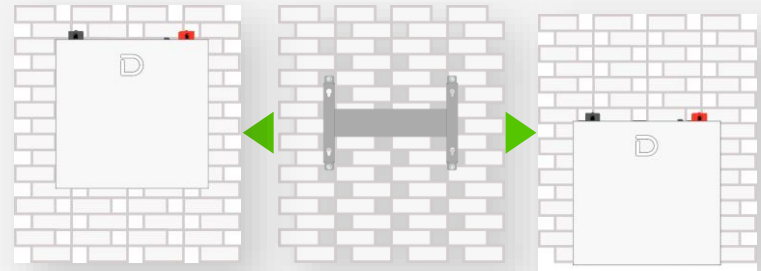
Wall Mounted / Floor Standing

Electrical Interface



Installation

Wall Mounted Bracket(Standard) Floor Standing



Friendly User Interface—Monitor

Real-time system monitoring, Smart control and OTA upgrade



Dyness App/Web

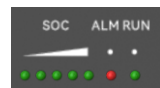
iCloud
Dyness
Encrypted

Rich Data

- Battery System Real-time Running Data
- Battery System Real-time Operation Status
- Battery System Historical Data
- Battery Cell Voltage and balance
- Module Temperature
- Battery System recycling Status, etc.
- One-click OTA function
- . . .

No need for Wi-Fi Stick

Built-in WIFI Module



Intuitive Display

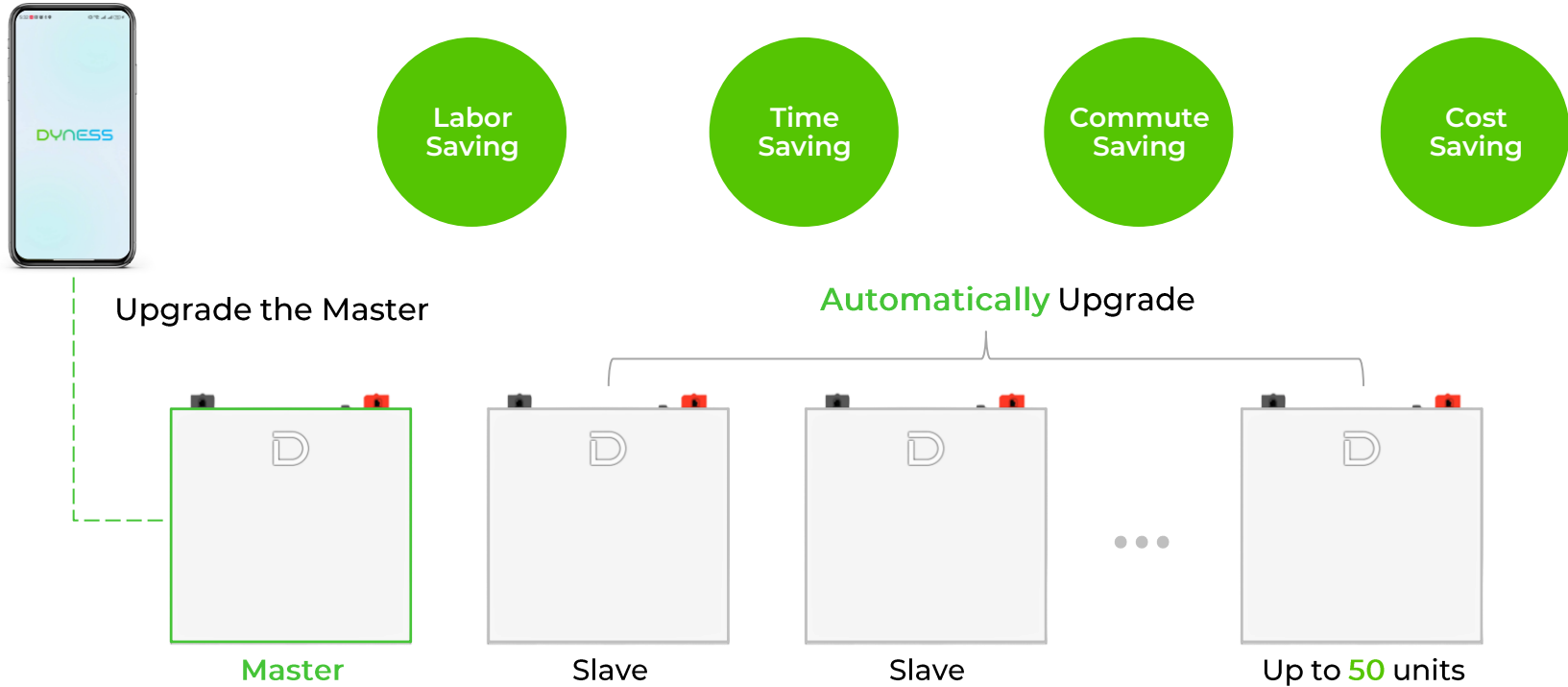
SOC

Communication

Alarm



Easy O&M—Configuration



High Compatibility

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Below are some of the compatible inverters.

Scenario	Description	Energy Demand	Configuration	Installation Recommendation	Inverter Power (kW)										
					3	3.6	5	6	7.6	8	10	12	15	20	30~100kW
Residential	Small House	5.12 kWh	DL5.0C Pro												
	Medium House	10.24 kWh	2*DL5.0C Pro												
		15.36 kWh	3*DL5.0C Pro												
	Large House	20.48 kWh	4*DL5.0C Pro												
		25.6 kWh	5*DL5.0C Pro												
Small Commercial & Industrial		Up to 256kWh	Up to 50 units												

Wall-mounted/Floor-Standing

Customized Cabinet

Customized Fixed Rack

Off-grid

Back-up

Self-use

Budget Limit



GOODWE

Deye 德業®

houmiles

SGFAR

powering tomorrow
Growatt

Solplanet

SAJ

Ingeteam

Afore

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