

DYNESS

STACK280

HV Stacked ESS

Realize the Full Potential of
ESS Applications



Multi-layer Safety Protection

Well-considered for all

① Reliable LFP Battery Cell

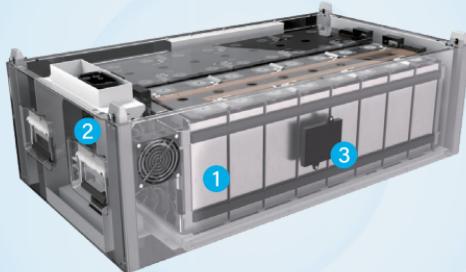
LFP cells have passed a succession of rigorous tests, 8000+ cycle life

② Smart BMS

Various protection functions for charging and discharging

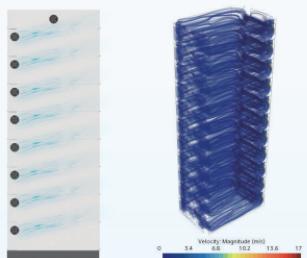
③ Aerosol Fire Extinguisher

Detects and extinguishes fire in 5s, eliminating fire risks



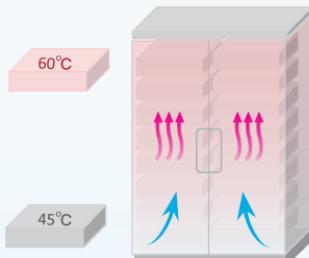
Balanced Cooling for More Efficient Operation

DYNESS STACK280

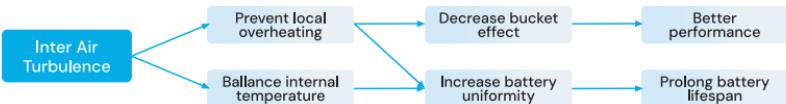


Air Turbulence Simulation
Temperature Difference $< 3^{\circ}\text{C}$

Traditional Solution



Excessive Module-to-Module Temperature Difference



8000+ Cycles



10-Year Long Warranty



High C Rate

Effortless Installation, Plug&Play

Save Space & Labor

DYNESS STACK280



One cluster
installation in

30 min

Under the stairs
Warehouse
Limited spaces...

Traditional Solutions



- Multi cables
- Complicated assembly
- Fixed rack



- Need crane
- Need specified space
- Concrete base

Flexible Expansion and Investment

Single cluster

43-215kWh

Max.12 clusters

2.58MWh

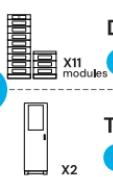
Mixing of modules
within 3 years



Battery
Equilibrium



ESS Demand:150kWh



Dyness Solution:157kWh

VS



Traditional Solution:200kWh

Non-essential
cost



Fast Charge/Discharge

Max. continuous charge/discharge current: **200A**

Higher C-Rate is Better
Choice for

- 1 Short-term backup
- 2 With larger solar system
- 3 Utility service
- 4 Electricity trading / dynamic rates

...



Intelligent Management

- Battery system real-time running data
- Battery system real-time operation status
- Battery system historical data
- Battery cell voltage and balance
- Battery cell temperature
- One-click OTA function
- ...



Versatile Compatibility

Scenarios	Description	Energy Demand	Inverter Power (kW)			
			25/30	50	80/100	125
Small Commercial	Small office, Shop, Community	50 kWh				
		70 kWh				
		100 kWh				
Medium Commercial	Farm, Restaurant	150 kWh				
		200 kWh				
Large Commercial	Supermarket, Hotel	300 kWh				
		400 kWh				
Industrial	Factory, Warehouse	500 kWh				

Note: The darker the color in the table, the higher the recommendation.

	GOODWE	GROWATT	Deye		
	SINEXCEL				...

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.

Labor Saving

- No wiring, plug & play
- Easier to carry, flexible layout

Cost Saving

- Modular design, expandable on demand
- 8000+ cycles, 10-year warranty
- Less footprint, higher space utilization
- Mixing of modules within 3 years

Time Saving

- Effortless installation
- Master and slave units are automatically identified
- Easy Operation & Maintenance



Limited Space? No Problem



Under stairs



Equipment room



Warehouse

Large Energy? Solved



School
200-500kWh



Farm
200-800kWh



Factory
500kWh-2MWh

Business Card

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