

STACK280

The DYNESS STACK280 energy storage system is widely used in energy storage sector. It adopts modular design and can be used for residential and C&I applications. The reliable LiFePO₄ technology ensures maximum safety and a longer life cycle.



Each PACK has an independent fire extinguishing device.



Built-in air-cooling system



Single system capacity:
43-215kWh, expandable to a
maximum of 2580kWh in parallel



Convenient installation and
Total installation time ≤1h



Flexible space layout ability

Technical Specifications

Model	STACK280
Battery Type	LiFePO4
Module Voltage/Capacity	51.2V/280Ah
System Modules Serial Number	3~15
System Energy Range	43-215kWh
Operating Voltage	134-876V
Recommended Charge/Discharge Current	140A (0.5C)
Max. Charge/Discharge Current	200A (0.7C)
Peak Discharge Current (2min 25°C)	280A (1C)
Depth of Discharge	95%
Communication	CAN/RS485
Cycle Life ^[1]	Unlimited cycles / 10 Years
Signal Module Weight	110Kg
Max. Single Cluster Dimension [W*D*H]	770*425*1905mm (7 module)
Charging Temp. Range	0 ~ 55°C
Discharging Temp. Range	-20 ~ 55°C
Protection Level	IP20
Fire Protection System	Aerosol fire extinguisher
Installation method	Stack type
Cooling method	Forced wind cooling
WIFI Module	Built-in WIFI module; APP OTA function
Certification & Safety Standard	UN38.3
Compatible Inverters	Deye/Goodwe/Solis/SAJ/Sinexcel/Hoymiles/Growatt/Ecatus/Sermatec/ATESS/Sunways etc.

[1]Test conditions: 0.2C Charging/Discharging, @25°C, 95% DOD