

The logo for DYNES, with 'DY' in green and 'NESS' in blue.

# STACK280

STACK280 is suitable for residential, small commercial and industrial scenarios. Rackless and stackable design is easy to plug and play. It uses a high capacity 280Ah battery to support 12 clusters in parallel with a maximum capacity of 2.58MWh. Built-in aerosol fire extinguisher that eliminates fire hazards within 5s, all around protection for your electrical safety.



## Flexible Expansion

Up to 12 clusters in parallel,  
43kWh~2.58MWh capacity



## Ultra Safe

Intelligent fire extinguishing  
system, detects and extinguishes  
fire in 5s



## Easy Installation

0 wiring, rackless free stacking,  
plug-and-play, one cluster installa-  
tion in 30min



## Long Life

LFP cells, 8000+ cycles, 10 years  
long warranty



## Module Mixing

Mixing of modules within three  
years



## Fast Charge/Discharge

Max. continuous charge/discharge  
current: 200A

# SPECIFICATION

Model	STACK280
Battery Type	LiFePO <sub>4</sub>
Module Voltage/Capacity	51.2V/280Ah
System Modules Serial Number	3~15
System Energy Range	43kWh~215.04kWh
Operating Voltage	134.4V~864V
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 *	≥8000 cycles/10 Years
Single Cluster Dimension[W/D/H](mm)	770/425/(363+230*n) "n" stands for the number of battery modules, up to a maximum of 8.**
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Protection Level	IP20
Single Module Weight	110kg
Fire Protection System	Aerosol fire extinguisher
Installation method	Stack type
Cooling method	Forced wind cooling
WiFi Module	Built-in WiFi module; APP OTA function
Battery Module Name	S51280
Certification & Safety Standard	UN38.3
Compatible Inverters	Ingeteam/Solis/GoodWe/Growatt/Solplanet/SAJ/DEYE/SOLINTEG ect.

\* Test conditions: 0.2C Charging & Discharging. @25°C, 95% DOD

\*\* If the installation is on an upper floor, you will need to evaluate the floor weighing before determining the number of stacks.

