DYNESS

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

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	$LiFePO_4$
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,CE-EMC,IEC62619
Compatible Inverters	Solis/Growatt/Sosen/Solinteg/Atess/Magarevo/Deye 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.