



Product Features

High efficiency and stability

- Adopting module design idea;
- Ultra-high energy density.

Intelligent synergy

- Intelligent BMS system, real-time monitoring of system stability;
- New type of heat-insulating refractory material, fire-resistant for 2h.

Flexible Configuration

- 280AH single cell;
- Laser welding process;
- Integrated cabinet design.

High level of protection

- IP54, built-in independent fire protection system, directly installed outside;
- High-efficiency liquid cooling system, temperature range $\leq 3^{\circ}\text{C}$.

TECHNICAL SPECIFICATIONS

Cell type	LFP280
Configuration	1P416S
High voltage box	PDU-1500-280-F1
Rated voltage	1331.2V
Voltage range	1206.4V~1456V
Rated energy	372.736kWh
Rated charge/discharge power	186kW
Rated charge/discharge current	140A
Max. continuous charge/discharge current	280A
Efficiency	$\geq 95\%$
Battery cluster resistance	$\leq 20\text{m}\Omega$
Cycling	≥ 6000 (0.5C, 25°C, 80%EOL, 90%DOD)
Operating Temperature Range	Charge: 0~55°C Discharge: -20~55°C
Recommended storage temperature	15~35°C
Humidity	0~90%RH
Max. working altitude	4000m (derating over 2000m)
Self-consumed electricity/per month	$\leq 3\%$
Cooling system	liquid-cooling
Manufacturing process	laser welding
Communications interface	CAN/RS485/Dry contact
Dimensions	1300±5*1300±5*2300±5mm