

# Air-cooling Pack Solutions

## • Product Features and Advantages

Providing products as OEM/ODM

### • High Safety

Selection of lithium iron phosphate cells with high thermal stability.  
Overall elastic constraint to reduce the impact of cell expansion.

### • Standardization

Standardization of manufacturing processes to ensure stability and efficiency in production, improving product quality and reducing production costs.

### • Long Lifespan

Equipped with advanced batteries from top-tier battery suppliers, the cells have a maximum cycle life of up to 8000 cycles.  
The design of air channels between cells effectively controls heat accumulation and thermal runaway, ensuring cell stability and reliability.



Model	SE-BP-280A-1P16S	SE-BP-280A-1P20S
Cell type	LFP	
Cell capacity	280Ah	
Group configuration	1P16S	1P20S
Nominal voltage	51.2V	64V
Nominal capacity	14.336kWh(@25°C±2)	17.92kWh(@25°C±2)
Efficiency	≥94%	
Max. constant charging/discharging power	0.5P	
Nominal charging/discharging current	140A	
Range of operating voltage	43.2V ~ 57.6V	54V~72V
Max. range of working temperature	Charging Discharging	0°C ~ 55°C -30°C ~ 55°C
Max. temperature of national standard full cycle battery cell	35°C	
Max. temperature difference of national standard full cycle battery cell	5°C	
IP rating	IP20	
Environment humanity	< 90%RH (non-condensing)	
Cooling method	Air cooling	
Weight	114kg	140kg
Dimension(W*D*H)	483mm×814mm×235mm	483mm×970mm×235mm
Fire safety configuration	Aerosol	
Maximum working altitude	2000m	
Cycle Life	8000	



UN38.3

IEC61000 IEC62477  
IEC62619 IEC63056

This product sheet is as comprehensive and detailed as possible based on existing information.  
The company reserves the right to modify data, parameters and other information.