

# CSE-F-2H60~200

Commercial & Industrial air-cooled Module Pack



## Reliable safety

- Efficient air-cooled heat dissipation providing long cycle life.
- IP65 protection level for the whole system.
- AI health monitoring for pack-level immersion fire protection.

## Flexible installation

- Highly integrated energy storage system components to achieve "plug and play".
- Independent control of single cabinet, parallel connection of multiple cabinets to achieve flexible expansion of energy storage.

## Intelligent control

- with one key start, Automatic operation and remote maintenance can be achieved.
- Built-in EMS, multiple operation modes can be selected flexibly to improve revenue.

## Technical specification:

Model	CSE-F-2H60	CSE-F-2H100	CSE-F-2H200
<b>Battery parameters</b>			
Battery type	Lithium iron phosphate	Lithium iron phosphate	Lithium iron phosphate
Cell spec	3.2V/120Ah	3.2V/120Ah	3.2V/280Ah
String configuration	1P168S	1P264S	1P240S
Rated energy capacity	64.51kWh	101.37kWh	215.04kWh
Rated voltage	DC537.6V	DC844.8V	DC768
voltage range	DC470.4~604.8V	DC739.2~950.4V	DC672~864V
The rated charge and discharge rate	0.5C	0.5C	0.5C
Depth of discharge	90%	90%	90%
Cooling	Intelligent air cooling	Intelligent air cooling	Intelligent air cooling
<b>AC parameters</b>			
Rated power (kW)	30	50	100
Rated current (A)	43.3	72	144.3
Rated voltage	400V AC	400V AC	400V AC
AC output	3P+N+PE	3P+N+PE	3P+N+PE
Rated grid frequency	50Hz±2.5Hz	50Hz±2.5Hz	50Hz±2.5Hz
AC PF	0.1~1 leading or lagging (Controllable)	0.1~1 leading or lagging (Controllable)	0.1~1 leading or lagging (Controllable)
<b>System parameters</b>			
life cycle	≥6000	≥6000	≥6000
Max. efficiency	≥85%	≥85%	≥85%
Degree of protection	Battery systemIP65, Electrical cabinIP54	Battery systemIP65, Electrical cabinIP54	Battery systemIP65, Electrical cabinIP54
Noise emission (dB)	<70	<70	<70
Anti-corrosion rating	C3	C3	C3
Operating temperature range	-30 to 50°C (> 45°C Derating)	-30 to 50°C (> 45°C Derating)	-30 to 50°C (> 45°C Derating)
Storage temperature range	-20°C~50°C(short term),0°C~35°C(long-term)	-20°C~50°C(short term),0°C~35°C(long-term)	-20°C~50°C(short term),0°C~35°C(long-term)
Relative humidity	0~95% (non-condensing)	0~95% (non-condensing)	0~95% (non-condensing)
weight (kg)	≤900	≤900	≤900
Degree of Protection	IP54	IP54	IP54
Fire configuration	aerosol	aerosol	aerosol
Working altitude	standard2000m (utmost4000m)	standard2000m (utmost4000m)	standard2000m (utmost4000m)
Dimension (WxDxH)	700*900*2200mm	1200*900*2200mm	1200*900*2200mm
Installation location	outdoors	outdoors	outdoors
Communication interface	RS485, Ethernet	RS485, Ethernet	RS485, Ethernet
Certifications	UL1973, UL9540A, IEC62619, CE, UN38.3	UL1973, UL9540A, IEC62619, CE, UN38.3	UL1973, UL9540A, IEC62619, CE, UN38.3