

CSE-M500-1600

Commercial & Industrial air-cooled Power Pack



Safety & reliability

- Efficient thermal management design to guarantee the best operating temperature range of the battery compartment.
- Containerized with protection level at IP54 for the system and IP65 for the battery components.

Economical application Intelligent operation

- 90% DOD deep discharge, 15 years of service life (under standard working conditions).
- Higher DC/AC rate, higher cycle efficiency.
- DC coupling system ensuring: higher DC/AC ratio, higher round trip efficiency.
- Self-forming system for whole machine transportation, no battery installation work on site.
- 7*24 cloud-based monitoring and operation and maintenance, ensuring background data access and remote maintenance.

Technical specification:

Model	CSE-M500-1600
Battery parameters	
Battery type	Lithium iron phosphate
Cell spec	3.2V/280Ah
String configuration	8*1P224S
Rated energy capacity	1605kWh
Rated voltage	DC716.8V
voltage range	DC627.2~806.4V
The rated charge and discharge rate	0.3C
Depth of discharge	90%
Cooling	Intelligent air cooling
AC parameters	
Rated AC power	500kW
Maximum AC power	550kW
Output THDi distortion rate	<3%
Adjustable PF	1(leading)-1(lagging)
Rated voltage	400V/480V
Grid frequency range	50/60±2.5Hz/59.5~60.5Hz
Isolation method	3 Phase 4 Line Transformer
System parameters	
life cycle	≥6000
System charge and discharge efficiency	≥85%
Dimension (WxDxH)	2438x12192x2591mm
weight	28t
Degree of protection	IP54
Anti-corrosion rating	C5
Operating temperature range	-30 to 50°C (> 45°C Derating)
Storage temperature range	-20°C~50°C (short term) , 0°C~35°C (long-term)
Relative humidity	0~95% (non-condensing)
Fire Suppression	FM200 NOVEC1230 IG541(Optional) Water spray
highestWorking altitude	>3000mneedDerating
Communication interface	RS485、Ethernet
Certifications	UL1973, UL9540A, IEC62619, CE, UN38.3