

PCS-8812-2500-5015

NR EnergyLink Centralized Energy Storage System



Features

Fully integrated design

- Ships with battery modules, BMS and thermal management system all pre-installed and pre-tested within a single enclosure.
- Low engineering, procurement and construction cost skid for turnkey delivery

Good compatibility and fault analysis capabilities

- Multiple communication protocols
- Millisecond-level fault recording function
- Powerful fault analysis and location capabilities

Safe and reliable

- Proactive safety strategy, composite criteria for battery protection
- Multi-layered protection design without dead zones
- Overcurrent rapid disconnection protection and arc suppression protection

Intelligent and convenient

- SOC intelligent calibration
- Innovative and efficient balancing strategy
- Online intelligent monitoring
- Fully liquid-cooled intelligent temperature control

Technical specifications

Model	PCS-8812-2500-5015
System	
Battery specification	LFP 314Ah/1004.8Wh
Configuration	1P416S*12
Nominal energy	5015kWh ^{1, 2}
Normal power	2500kW(1250kW*2)
Cycle efficiency	≥94%
DC voltage range	1050~1500V
Weight	41000kg
Dimension ((L×W×H)	6058mm×2438mm×2896mm
Cooling method	Liquid cooling
Max. operating altitude	4000m(> 3000m derating)
Operating temperature range	-30~55℃ with cooling system(> 45℃ derating)
Relative humidity	0~100%(non condensing)
Operating noise	<80dB(1m)
Protection level	IP55
Fire protection	Gas extinguishing system+smoke and temperature detection
Communication ports	CAN / RS-485 / RJ45 / optical fiber port
Supported protocols	CAN / Modbus / IEC 61850 / IEC 60870-5-103, etc
Certification	IEC62619, IEC63056, IEC61000, IEC62477, IEC62933, UN38.3, UN3536
Auxiliary power	AC380V±5% / 50Hz TN-C

¹ 0.5P/0.5P
² 25±2℃