

NEO Stella

100 kW/232 KWh All-in-One ESS for Commercial Application

Indoor/Outdoor Liquid Cooling



Flexible Application

All-in-One Design
Plug-and-Play
Zero-Gap Parallel Connection

Accurate Liquid Cooling

Temperature Difference $\leq 3^{\circ}\text{C}$
Extend Battery Lifespan

Ultimate Safety

Quadruple Fire Protection
Precision Fire Alarm Position
Real Time Insulation Monitoring

Intelligent Power Management

EMS Ensures System Safety
Cloud Platform Monitors Status

NEO Stella Technical Data

Model	SEP-AA232
Battery Parameter	
Battery Chemistry	LiFePO ₄
Battery Model	280Ah
Rated Energy	232kWh
Voltage Range	728~936VDC
P-rate	0.5P
Compliance	UN 38.3, UN 3480, UL 1973, UL 9540A, UL9540, IEC 62619, IEC 61000-6-2/-4, IEC 62477-1, IEC 60356, IEC 60730-1
PCS Parameter	
Rated AC Power	100kW
Rated Grid Voltage	400/480Vac
Total Harmonic Distortion	<3%
Rated Grid Frequency	50/60Hz
Peak Efficiency	98%
Power Factor	-1 to 1, continuously adjustable
Compliance	EN 50549, G99, VDE AR-N 4105, NTS Spain, IEC 62477, IEC 61000-6-2, IEC 61000-6-4, UL 1741, IEEE1547-2018, UL1741 SB
General Parameter	
Dimension (W×D×H, mm)	1500×1300×2000
Weight	~3500kg
IP Level	IP65
Cooling mode	Liquid Cooling
Operating Temperature Range	-25 ~ 55 °C (>45°C derating)
Relative Humidity Range	0 ~ 95% (No Condensation)
Max. Working Altitude	4000m (>2000m derating)
Fire Safety Equipment	Aerosol, Smoke detector, Heat detector, Flammable gas detector (optional), Deflagration vent (optional), Dry pipe (optional)
Isolation Transformer	Off-Grid Require