

AC-Coupled Outdoor Storage for Industrial Applications

Orion – 260K

The ORION 260K is a high-capacity, AC-coupled outdoor battery system built to serve commercial and industrial facilities that demand reliable backup power and efficient energy management. Powered by advanced SiC technology, LiFePO₄ (LFP) chemistry, and intelligent EMS control, it delivers exceptional safety, long cycle life, and scalable performance. The system is engineered for peak shaving, load shifting, and renewable integration, offering complete energy resilience for modern enterprises.



Battery packs comply with UL 9540A and NFPA 855 standards.



Liquid cooling maintains cell temperature variation under 2 °C, extending cycle life by up to 30%.



Delivers over 400 kWh of usable energy, maximising system returns.



Compact and modular layout supports multi-unit parallel connection.



Simplified modular architecture ensures efficient servicing.



Pre-commissioned and ready-to-connect units enable fast installation with minimal downtime.

Parameter	Specification
Battery Information	
Product Type	Magna-C&I-260
Product Category	AC Outdoor Liquid-Cooling Battery System
Rated Energy	260 kWh @ 0.5C
Rated Power	125 kW
Rated Output Voltage	380 V AC
Cell Capacity	314 Ah
Cell Type	LFP (LiFePO ₄)
Configuration	1P 260S
Performance	
Rated Discharge Current	223 A
Rated Discharge Current	223 A
Charging Temperature	0 - 45 °C
Discharging Temperature	-20 - 50 °C
Cooling Method	Liquid Cooling
Protection Level	IP55
Functional Safety	Class B
Physical Characteristics	
Net Weight	≈ 2730 kg
Dimensions (W × D × H)	1175 × 1300 × 2300 mm
Communication & Interface	
Communication Communication Protocols	CAN, 485
Applications	
Utility-scale, Commercial & Industrial	