VSTAND

400kW DC-DC Storage-Charging



The VESS E Stand combines high-capacity lithium iron phosphate (LiFePO4) battery storage with high-power DC electric vehicle charging. Designed for commercial charging stations, fleet depots and industrial facilities, the system supports intelligent energy management and integration with compatible renewable energy systems.

522 kWh Battery storage capacity	**400 kW** Maximum DC charging power	**Liquid-Cooled** Battery thermal management

Technical Specifications

SPECIFICATION	DETAILS
Product name	VESS E Stand
Application	Commercial & Industrial
Battery technology	Lithium Iron Phosphate (LiFePO4)
Energy storage capacity	522 kWh
Maximum DC charging power	400 kW
Configurable charging power	160-400 kW
Charging outputs	Dual-connector DC charging
DC charging voltage range	200-1,000 V DC
Peak charging efficiency	≥ 97%
Battery cooling	Liquid-cooled
Battery cycle life	≥ 8,000 cycles
Energy management	Integrated EMS
Operating modes	Grid-connected / off-grid capable configurations
Grid/off-grid switching	As fast as 20 ms with suitable switching equipment
Renewable integration	Compatible PV and generator integration

Specification note: Values reflect the previously discussed 522 kWh / 400 kW manufacturer configuration and require confirmation against the exact VESS model supplied. UK/Irish connector standards, grid compatibility, certifications, dimensions and warranty must be verified before customer-facing publication.