



DATA SHEET

System specifications

Cell chemistry	Lithium Ferrophosphate (LFP)
Cooling	Forced air
C-rate peak disch./char.	1 C
C-rate cont. disch./char.	0.6 C
Class approval	DNV, RINA
Communication interface	Modbus TCP or others
Energy	scalable up to several MWh

Module specifications

Energy	12.5 kWh
Voltage	min. 60 nom. 77 max. 87 VDC
Weight	96 kg
Dimensions	H 249.5 W 415 D 572 mm
Gravimetric energy density	130 Wh/kg 7.68 kg/kWh
Volumetric energy density	211 Wh/l
Protection grade	IP65

Switch Unit (string controller)

Master battery management system	Integrated
Pre-charge functionality	Integrated
DC fuses and contactor	Integrated

CUBE configurations

Modules per string	3	4	5	6	7	8	9	10	11
Energy (kWh)	37.5	50.0	62.5	75.0	87.5	100.0	112.5	125.0	137.5
Min. voltage (VDC)	180	240	300	360	420	480	540	600	660
Nom. voltage (VDC)	230	307	384	461	538	614	691	768	845
Max. voltage (VDC)	263	350	438	526	613	700	788	876	964

Control Cabinet (multi-string controller)

Power supply	24 VDC or 230 VAC
No. of strings in parallel	Up to 16 strings
Display	7" touch panel

Safety specifications

Thermal runaway protection	No propagation on cell level
Short circuit protection	HV-fuses on string and module level
Gas detection	Included on module level
Emergency stop	Hard-wired
Temperature monitoring	Redundant on module level
Gas exhaust	<200°C during thermal runaway
Balancing functionality	Included on cell and module level

