VOLSTORA

VSS-10FT®
DATASHEET

GRID **REINFORCEMENT** SYSTEMS

276KW | 564KWH

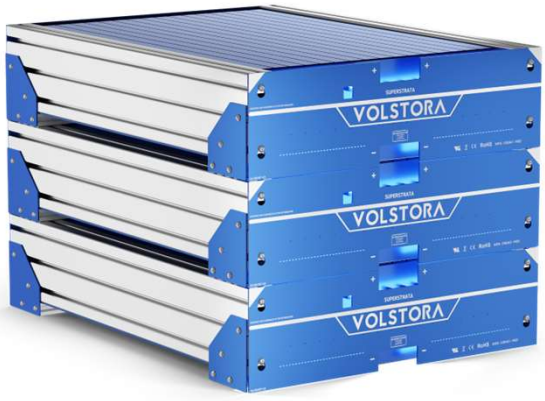
Energy storage is critical to the energy transition, grid stability, energy security, electrification of transportation, reduction of costs, and reduction of CO2.

Volstora is a proud supplier of energy storage systems built and designed in the Netherlands to further the goal of energy independence.

- Decrease your carbon footprint up to **100 tons CO2 per year***
- Decrease your carbon footprint with self-consumption
- Sustainably charge **2.600km / ~18 EVs**
- Grid independence with **3x300A reinforcement**



- **Cobalt-free** chemistry
- **Compact** systems
- Good **safety** performance
- **Recyclable** aluminum frame



*calculation based on 0.48 gCO2 per kWh replaced with solar

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TECHNICAL SPECIFICATIONS

BATTERY	CHEMISTRY	SUPERSTRATA V2 LFP BLADE COBALT-FREE
	DC SPECIFICATION	70 Batteries 564 kWh / 0.2C discharge
	MAX POWER	276 kW @ 400VAC (400A)
	ROUNDTRIP EFFICIENCY	>85% at 128kW
	BATTERY CELL WEIGHT	3800KG
	TEMPERATURE DERATING	60% capacity @ 0°C 75% capacity @ 10°C 100% capacity @ 25°C
BMS / EMS SYSTEM	BALANCING TYPE	Passive
	MONITORING	Online monitoring and cloud storage
	FEATURES	OTA Updates with 3G/4G internet
	INTERFACE	WAN (ETHERNET)
	EMS PROTOCOL	OpenEMS on Windows 10/11
OPERATING ENVIRONMENT	WORKING TEMPERATURE	- 10 °C to +42 °C (automatic control)
	AIRCO (POWER | NOISE | COOLANT) VENTILATOR (POWER | NOISE)	3.6kW | <65dB | R32 0.67kg 436 W | <65dB | limited
	LONG-TERM STORAGE TEMP.	0°C to + 30°C
SAFETY	CELL SAFETY TESTS	UN 38.3 ST/SG/AC.10/11/Rev. 7 Altitude simulation Thermal Vibration Shock External short circuit Crush Forced discharge
	CERTIFICATION	CE, IP55, EN61000-6-1, -2, -4, EN62109-1, -2, EN50549-1 NEN1010, NEN3410, PGS37-2
OTHER	BATTERY WARRANTY	2 GWh usage | 10 year | 70% capacity
	CONTAINER SPECIFICATION	10' CONTAINERIZED / ~7.5 tons 2991 x 2438 x 2911 mm
	TRANSPORT	Class 9 Packing Group II, ADR/RID-Labels 9, Lithium-Ion batteries, UN 3536

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