

Complete Outdoor Cabinet volgens PGS37-1 Norm



TRENE

100 kW / 215 kWh / 400 V

Unieke kenmerken

- Door Troostwijk | BvT getoetst op de PGS37-1 norm
- Ook geschikt voor handel EPEX, aFRR, mFRR & FCR
- Modulair uit te breiden tot 20 units



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TRENE C&I ESS CABINET (100 kW / 215 kWh)

AC side	
Rated AC output power	100 kW
Rated AC output current	144.4 A
Rated AC apparent power	100 kVA
Nominal AC grid frequency	50/60 Hz
Max. efficiency	85-95 %
Battery	
Battery type	LFP 280 Ah
Nominal capacity	215 kWh
Rated voltage	768 V
Discharge depth	90%
Max. charge/discharge current	140 A
General	
Dimension (W×D×H)	1880 x 2480 x 1200 mm
Cooling concept	Smart cooling
Protection class	IP54
Standards	
Certifications	IEC61800, IEC3366:2000, UL9540A

Safe

- Suitable for large-scale and high-demand storage applications
- Seamlessly supports PV integration, on/off-grid functionality, and intelligent energy management
- Intelligent liquid-cooled temperature control system to ensure higher efficiency and extends battery cycle life

Robust

- The electrical cabinet and battery cabinet are separated to prevent thermal runaway
- Multi-level protection system ensures battery safety
- IP55 outdoor cablnet and optional C5 anti-corrosion

Economic

- All pre-assembled, limited on-site work, accelerate commissioning process
- High-efficiency heat dissipation, increase battery life and system discharge capacity
- 1-hour spare part swap capability for reduced downtimesystem

Intelligent

- Supports multiple delivery formats, including in-cabinet installations, containerized solutions, and all-in-one solutions
- Equipped with both local control and remote monitoring platforms
- Facilitates quick system recovery and reduced O&M costs



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