



TRENE-PT25B261L

AC INPUT & OUTPUT (ON-GRID)

Rated AC power	125 kW
Rated AC current	180.4 A
Max. output apparent power	137.5 kVA
Max. output continuous current	208.9 A
Nominal AC voltage	400 V
Nominal AC frequency	50 Hz / 60 Hz
Adjustable Power Factor range	~ 1 (0.8 lagging to 0.8 leading)
THDI (Rated power)	< 3%
BATTERY	
Battery type	LFP 314Ah
Battery capacity	261 kWh
Rated battery voltage	832 V
Battery voltage range	650 ~ 936 V
Max. charge / discharge current	160 A
Cycle life(L)	≥ 8000

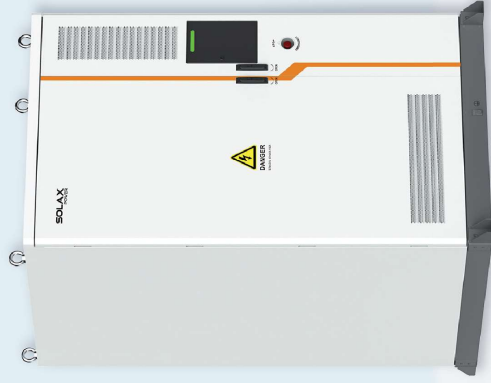
GENERAL

Max. efficiency	98%
Dimension (WxDxH)	1350 x 1350 x 2355 mm
Weight	3000 kg
Operating ambient temperature range	-35 ~ -60°C
Relative humidity	0 ~ 95% RH
Max. operating altitude [m]	3000
Cooling concept	Liquid cooling
Ingress protection	IP55
Fire protection	Aerosol (Optional)Novect1230 / Water
Topology	Non-Isolated
Certificates and approvals	IEC61000-6-1 & -6-3

① Rated for 8000 cycles at 0.25C with EOL at 70% capacity



AC-coupled ESS Liquid Cooling Cabinet



ESS-TRENE (Liquid cooling)

125kW / 261kWh



High Performance

- Premium LFP battery with guaranteed quality
- High power density, compact design
- Scalable up to megawatt-hours
- Optimised space utilisation



Assured Safety

- 4+1 Fire safety design secures minimal risk and loss
- Battery Pack-level Aerosol Fire Suppression for Precise Protection
- IP66 rating for inverter, IP55 for cabinet
- AC Type II SPD for electrical safety
- Advanced fault detection and response



Intelligent Design

- Advanced energy management system
- VPP ready with SolaX Cloud (2030.5, OpenADR)
- Supports micro-grids and diverse scenarios
- 24x7h remote monitoring and maintenance



Flexible Adaptability

- Grid-connected and off-grid support
- Self-developed BMS & EMS via SolaX Cloud
- One year of local historical data storage
- Cell-level balancing and smart temperature control



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*V1.1. Information may be subject to modify without notice. 650.000000.00

AC INPUT & OUTPUT (ON-GRID)	
Rated AC output power	125 kW
Rated AC output current	180.4 A
Max. AC output apparent power	137.5 kVA
Max. AC output continuous current	208.9 A
Nominal AC voltage	3 / (N) / PE, 230 / 400 V 3 / (N) / PE, 220 / 380 V
Rated AC frequency	50 Hz / 60 Hz
Power Factor range	~ 1 (0.8 lagging to 0.8 leading)
THDi (Rated power)	< 3%

BATTERY

Battery type	Lithium-ion
Battery voltage range	650 ~ 936 V
Max. charge / discharge current	160 A

GENERAL

Max. efficiency	98%
Ingress protection	IP66
Operating ambient temperature range	-35~ 60°C
Max. operating altitude	3000 m
Relative humidity	0 ~ 95% RH
Dimensions (W x H x D)	880 x 665 x 310 mm
Net weight	95 kg
Cooling concept	Smart air cooling
Communication interfaces	RS485, CAN, Ethernet, DI

Protection

Protections	Over / under voltage protection, DC reverse-polarity protection, Residual current detection, Anti-islanding protection
Surge protection (AC)	Type II

Standard	
Safety	EN / IEC62477
EMC	EN61000-6-2/4, EN61000-3-11/12, EN50111, EC62920
Certification	VDE4105, 699, AS4777, EN50549, CEI 0-21, IEC61727, PEA, MEA, NRS-097-2-1, RD1659, TOR

C&I ESS CABINET PACK

TB-HR522

Battery type	LFP 314Ah
Battery capacity	52.2 kWh
Battery configuration	1P52S
Rated battery voltage	166.4 V
Battery voltage range	130 ~ 187.2 V
Weight	330 kg
Charge / Discharge current	± 0.5C
Operating temperature range	-20 ~ 55°C
Relative humidity	0 ~ 95% RH (non-condensing)
Max. operating altitude	3000 m
Ingress protection	IP67
Communication to PCS	CAN