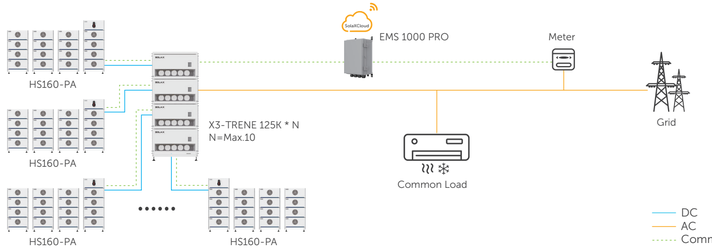
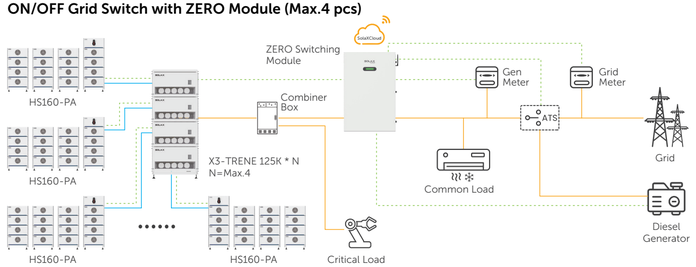
SOLAX C&I SPLIT ENERGY STORAGE SOLUTION

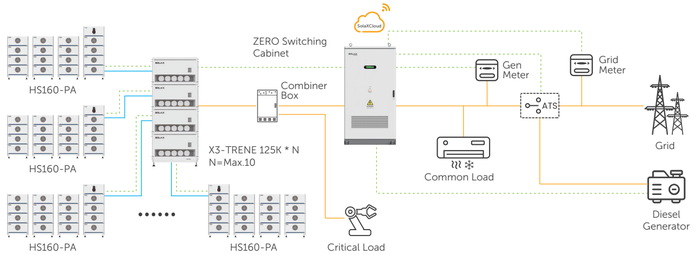
On Grid parallel (Max.10 pcs)



ON/OFF Grid Switch with ZERO Module (Max.4 pcs)



ON/OFF Grid Switch with ZERO Cabinet (Max.10 pcs)



POWERING A GREEN FUTURE

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V1.2 Information may be subject to modify without notice.
650.00168.00



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X3-TRENE 125K+HS160-PA

125~1250kW | 256kWh-2560kWh

SolaX C&I Split Energy Storage Solution

X3-TRENE 125K



HS160-PA



Safe and reliable

- Integrated Type II(AC) surge protection
- Comprehensive electrical safety design with multiple protection mechanisms ensures safe and reliable operation.

Flexible application

- Supports 10 off-grid parallel units;
- Supports 100% three-phase unbalanced load, suitable for various microgrid scenarios

Efficient and intelligent

- Efficient Harmonic Suppression Algorithm
- Intelligent Multi-Speed Fan Control

Grid-friendly

- Supports high and low voltage ride-through functionality
- Equipped with anti-islanding protection function

AI-Powered Battery Management

- Early detection of abnormal cell behavior
- Predictive warning for internal short-circuit risks
- Optimized battery operation for maximum lifecycle value

High Performance & Safety

- 0.5C charge/discharge capability with over 8,000 life cycles
- Cell-level temperature and voltage monitoring for enhanced safety
- Built-in fuse protection for reliable system operation

Easy Installation & Maintenance

- Pre-installed terminals for faster on-site installation
- Optimized for manual handling
- Adjustable Bottom Leveling
- Modular design enables rapid battery cascading and replacement

X3-TRENE-125K

AC INPUT & OUTPUT (ON-GRID)	
Rated output power	125 kW
Max. output apparent power	125 kVA
Rated output current	189.4 a.c. A@220 a.c. V 181.2 a.c. A@230 a.c. V
Max. output continuous current	189.4 a.c. A@220 a.c. V 181.2 a.c. A@230 a.c. V
Rated AC voltage	3W / N / PE, 220 / 380 a.c. V 3W / N / PE, 230 / 400 a.c. V
AC voltage range	320 ~ 460 a.c. V
Rated AC frequency	50 Hz / 60 Hz
AC frequency Range	50 ± 5 Hz / 60 ± 5 Hz
Adjustable power factor range	-1 – +1
THDi (rated power)	< 3% (rated power)
DC component	< 0.5% (rated power)
AC INPUT & OUTPUT (OFF-GRID)	
Rated AC output voltage	3W / N / PE, 220 / 380 a.c. V 3W / N / PE, 230 / 400 a.c. V
Rated AC frequency	50 Hz / 60 Hz
THDv (Linear load)	< 3% (linear load)
Unbalance load capacity (off-grid)	1
Max. output continuous current	208.4 a.c. A@220 a.c. V 199.3 a.c. A@230 a.c. V
DC SIDE	
Operating voltage range	650 ~ 936 d.c. V
Max. charge / discharge current	202.3 A
EFFICIENCY	
Max. efficiency	98.00%
GENERAL INFORMATION	
Ingress protection	IP20
Operating temperature range	-35 – +60 ℃ (> +45℃ derating)
Max. operating altitude	3000 m
Relative humidity	0 ~ 100%
Dimensions (W×H×D) (Without accessories)	665 × 310 × 880 mm
Weight (Without accessories)	95 kg
Cooling concept	Smart air cooling
Communication interfaces	RS485/CAN/Ethernet/DI
Cetifications	IEC 62477,IEC 61000-6, IEC 62920,EN50549,VDE4105,G99, AS4777,CEI 0-21,IEC61727, PEA/MEA, NRS-097-2-1,RD1699,TOR
Surge protection	Type II (AC)
Protection	
Residual current detection	Yes
Over / under voltage protection	Yes
DC component monitoring	Yes
AC overcurrent protection	Yes
AC short-circuit protection	Yes
Active anti-islanding method	Yes
AC input phase sequence error protection	Yes
Grid frequency high/low protection	Yes
Phase loss protection	Yes
DC reverse-polarity protection	Yes
DC overcurrent protection	Yes
DC short circuit protection	Yes
DC over/under voltage protection	Yes
Over-temperature protection	Yes
Communication failure protection	Yes

HS160-PA

GENERAL INFORMATION	
SYS model name	TS-HS2560
Nominal voltage	819.2 d.c.V
Operating voltage range	678.4 - 921.6 d.cV
Nominal energy	256.0 kWh
Usable energy(95% DOD)①	243.2 kWh
Rated charge/ discharge power	128.0 kW
Recommend charge / discharge current	157 A
Max. charge / discharge current②	173 A
Max.short circuit current	15kA
Cycle life (95% DOD)③	> 8000 Cycles
ENVIRONMENT LIMIT	
Operating temperature range	0 - 53°C (charge) / -20 - 53°C (discharge) (> 45°C derating)
Charge temperature	0 - 53°C
Discharge temperature	-20 - 53°C
Cooling concept	Smart air cooling
Storage temperature	-20 - 30℃（12 months） 30 - 50℃（6 months）
Relative humidity	5 – 95% (non-condensing)
Max. operating altitude	3000 m
Installation type	Stackable
Ingress protection	IP20
Environment	Indoor
BMS	
Model	HS160-BA
Operating voltage vange	80 - 1000 d.c.V
Dimensions (WxHxD)	495 × 228 × 800 mm
Net weight	33 (±1)kg
BATTERY MODULE	
Battery model	HS160-PA
Battery type	LFP
Scalability	16
Module capacity	16.0 kWh
Dimensions (WxHxD)	495 × 228 × 800 mm
Net weight	117.5 (±1) kg
COMMUNICATION	
Communication interfaces	CAN2.0、RS485
STANDARD	
Certifications	IEC 62619，IEC 62477，IEC 63056，IEC 61000，UL9540A，UN38.3
ACCESSORIES	
Base	
Dimensions (WxHxD)	495 × 50 × 800 mm
Net weight	10.7 (±1)kg

①Test conditions：95% DOD, 0.5C charge & discharge @+25°C
②Current is affected by the number of batteries connected in parallel as well as temperature and SOC
③Test conditions：25±2°C,0.5C charge & discharge,70% EOL