

NEW FROM SOLAX

Trena C&I ESS Cabinet



Based on the "All-in-one" concept, the system integrates large-capacity batteries, high-performance PCS, high-intelligence EMS and BMS into one single outdoor cabinet to support commercial and industrial energy storage applications.

Features

High Security

- "All-in-one" design
- Multiple levels of security protection

Intellectual Management

- Intelligent energy management via EMS
- Powerful C&I SolaX Cloud
- Easy and convenient O&M remotely

Multi-function

- Support both On-grid and Off-grid applications
- VSG function integrated
- Flexible working modes

Economic

- Long life span
- Support solar energy storage and EV charging application
- Suitable for Peak Shaving and VPP projects

Large Capacity

- Advanced LFP battery
- Stand-alone capacity of 215kWh
- Expandable to MWh

Agility

- Modular design and flexible cascading
- Simple installation and easy configuration

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AC Side	
Nominal AC voltage [V]	400 (-15% ~ 10%), 3/N/PE
Nominal grid frequency [Hz]	50/60
Max. AC input/output apparent power [kVA]	110
Max. charge/discharge power [kW]	110
Adjustable power factor range	1 leading ~ 1 lagging
THDi (rated power) [%]	< 3
Max. Efficiency	> 98%
DC Side	
Battery type	LFP
Nominal capacity [kWh]	215
Nominal battery voltage [V]	768
Battery voltage range [V]	600~ 900
DOD	90%
Max. continuous charge/discharge current [A]	140A (0.5C)
Max. continuous charge/discharge power [kW]	110
Cycle	6000
General	
Dimension (WxHxD) [mm]	1650 x 2300 x 1250
Net weight [T]	3
Operating temperature range [C]	-35 ~ 60
Relative humidity [%]	0 ~ 95
Max. operating altitude [m]	3000
Cooling concept	Smart air cooling
Ingress protection	IP54
Fire protection	Aerosol
Inverter topology	Non-isolated
Standard	IEC621619, IEC63056:2000, IEC61000-6-2&-6-4, IEC62477-1, UN38.3
Protection	
Anti-islanding protection	YES
AC overcurrent protection	YES
DC reverse-polarity protection	YES
Insulation resistance detection	YES
Over/undervoltage protection	YES
Over temperature protection	YES
AC surge protection	Type II