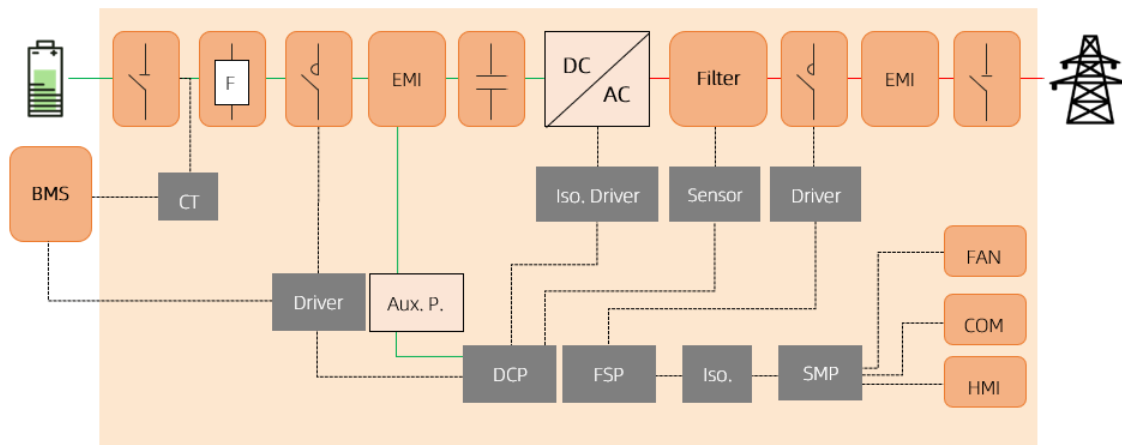




Main Features

- Integrated HV box, PCS and AC power distribution functions.
supports off-grid operation without transformer.
- Multi-Level topology, low loss modulation. Improve battery capacity utilization.
- Functional safety design. Multiple protection protects system security.
- High protection grade. Multiple grid connection certifications.



Specifications

Product Name	SI105TENT05, SI105TENT50, SI105TENT60 ²⁾
DC SIDE PARAMETERS	
Battery type	lithium iron phosphate battery
Full Load Voltage Range	650~950 V
Max. Voltage	950V
Input start-up voltage	650V
Rated charging/discharging power	100 kW
Max. Continuous Current	158 A
Max. Charge / Discharge Current	158 A
AC Port (On-Grid Mode)	
Rated/Max. output power	100 kVA
Rated/Max. output current	145 A
Rated grid voltage	400 Va.c.; 3W+PE, +N(optional)
Nominal Operating Frequency	50 Hz
Power factor range	1.0 (lagging)-1.0 (leading)
THDi	<3% (rated power)
AC Port (Off-Grid Mode)	
Rated grid voltage ¹⁾	400 Va.c.; 3W+N+PE
Rated/Max. output power	100 kVA
Rated/Max. output current	145 A (linear load) / 90 A (nonlinear load)
Maximum unbalanced power	17.5 kVA
Nominal Operating Frequency	50 Hz
Maximum allowable crest factor	2.5
THDv	<3% (rated conditions, balanced resistance load)

Note: Pictures are for reference only, please prevail in kind.

Specifications

Product Name	SI105TENT05, SI105TENT50, SI105TENT60
Protection	
Protection function	Anti-reverse connection protection DC overvoltage and undervoltage protection Anti-AC phase sequence error protection AC overcurrent protection Overtemperature protection Anti-islanding protection AC surge protection
Active anti-islanding Method	active frequency drift detection method
General Parameter	
Topology	Transformerless
Peak efficiency	98.1%
Operating temperature range	-25℃ to 60 ℃ , derating above 45℃
Humidity	0%-95%
Operating altitude	3000 m
Audible noise	<75 dBA @ 1 m
Parallel connection	Up to 20 parallel connections (on-grid)
Mechanical	
Dimension (W x H x D)	700 × 266 × 820 mm
Weight	85 kg
Cooling	Intelligent forced air cooling
Enclosure material	Aluminum alloy
Installation type	Rack-mounted
Protection grade	IP65
Interface	
Display	LED
Communication mode	RS485/CAN
Firmware update mode	Remote update supported
Standards	
Safety	IEC 62477-1:2022
Grid connection standards	AS/NZS 4777.2: 2020+A1:2021+A2:2024
EMC	IEC61000-6-2/-4

- 1). Additional transformers are required to support single-phase loads.
- 2). SI105TENT60 without off-grid function, off-grid parameter not applicable this model