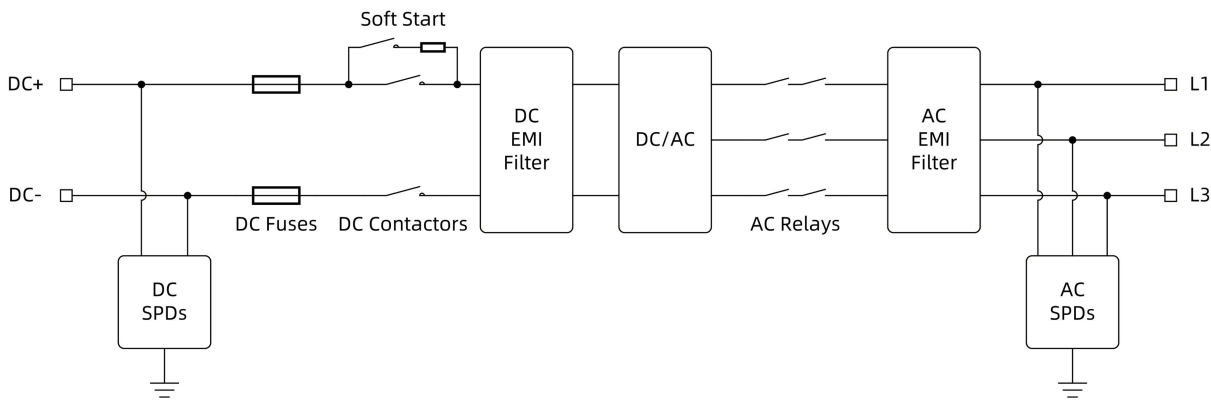


Main Features

- Applicable to C&I BESS and utility-scale BESS with string liquid PCS.
- High power density design with compact size.
- SiC MOSFET-IGBT hybrid power devices and ANPC three-level topology with low-loss modulation for high conversion efficiency.
- Functional safety design. Multiple safety protection mechanisms.
- Liquid cooling and IP65 ingress protection rating. Multiple safety certifications.



Circuit Diagram



Specifications

Product Name	Metis-215-L
DC Port	
DC voltage range ⁽¹⁾	1000-1500 V
Rated power DC voltage range ⁽¹⁾	1050-1500 V
Rated input/output power	215 kW
Maximum input/output power	237 kW
Maximum continuous current	209 A
AC Port (On-Grid Mode)	
Rated AC power	215 kVA
Rated AC current	180 A
Maximum current	198 A

(1) Operating at the rated grid voltage.

Specifications

Product Name	Metis-215-L
AC Port (On-Grid Mode)	
Rated grid voltage	690 V; 3W+PE
Frequency	50 Hz
Power factor range	1.0 (leading)-1.0 (lagging)
THDi	<3% (rated power)
Alarm and Protection	
Alarm and protection functions	Anti-reverse DC connection protection, DC overvoltage and undervoltage protection, AC phase sequence error alarm, AC overcurrent protection, AC voltage and frequency protection, Overtemperature protection, Anti-islanding protection, AC surge protection, Communication fault protection, Cooling system fault protection
General Parameter	
Topology	Transformerless
Maximum efficiency	99.2%
Maximum rated power efficiency	98.6%
Operating temperature range	-25 °C to +60 °C (derating above 45 °C)
Relative humidity	0%-95% (non-condensing)
Cooling method	Liquid cooling; 50% aqueous ethylene glycol solution; flow rate 12-15 L/min; coolant temperature -25 °C to +60 °C
Maximum altitude	4000 m (derating above 3000 m)
Audible noise	<60 dBA @ 1 m
Mechanical	
Dimensions (W x H x D)	740 × 180 × 750 mm
Weight	89 kg
Installation type	Rack-mounted
Ingress protection rating	IP65
Corrosivity category	C3 (C5 optional)
Interface	
Display	LED
Communication interface	RS485/CAN/EtherNET
Firmware update method	Remote update supported
Standards	
Safety	EN 62477-1:2012+A1:2017, EN 62477-1:2012+A12:2021
Grid connection	EN 50549-1:2019/A1:2023, EN 50549-2:2019/A1:2023, EN 50549-10:2022
EMC	EN IEC 61000-6-2:2019, EN IEC 61000-6-4:2019