

A Technical Specifications

Environmental Specifications

Table A-1 Environmental specifications

Item	Specifications
Operating temperature	-40°C to +85°C
Storage temperature	-40°C to +85°C
Relative humidity	0%–100% RH
Altitude	0–4000 m (When the altitude ranges from 2000 m to 4000 m, the ambient temperature decreases by 0.7°C for each additional 100 m.)

Electrical Specifications

Table A-2 Electrical specifications

Item	Specifications	
DC input	Input voltage	10–80 V DC
	Maximum input current	12 A
	Maximum input power	375 W
DC output	Output voltage range	4–80 V DC
	Maximum output current	15 A (The maximum output current is 10 A by default, and can be set to 15 A over the inverter.)
Efficiency	Maximum efficiency	99.5%
DC input	Input overvoltage protection threshold	82–87 V DC

Item	Specifications	
protection	Input overvoltage recovery threshold	81–86 V DC
	Input undervoltage protection threshold	7–9 V DC
	Input undervoltage recovery threshold	8–10 V DC
DC output protection	Output overvoltage protection threshold	85–90 V DC
	Output overcurrent protection	Supported
Reliability	Mean time between failures (MTBF)	3,000,000 hours (Telcordia SR-332 Method 1)
	Design life	25 years
Ingress Protection Rating	IP68	
Regulatory	Complying with IEC62109-1	

Figure A-2 I_{o_max} - V_{in} relationship curve (65°C)

