

8. Technical Data



WARNING

Be sure to verify the following before installing Microinverter System.

1. Verify that the voltage and current specifications of the PV module match those of the microinverter.

- The maximum open circuit voltage rating of the PV module must be within the operating voltage range of the microinverter.
- We recommend that the maximum current rating at MPP should be equal to or less than the maximum input DC current.

2. The output DC power of PV module shall not exceed 1.35 times of the output AC power of the microinverter.

Model	ID600A	ID800A
PV Input (DC)		
Adaptive PV power (W)	210~420 x 2	210~560 x 2
Start-up Voltage (V)	30	30
Full Load MPPT Voltage Range (V)	33~55	33~55
Operating Voltage Range (V)	16~60	16~60
Max Input Current (A)	12A x 2	14A x 2
Maximum input short-circuit current (A)	16~44V	Simulated PV panel output
Number of MPP Trackers	25A x 2	25A x 2
AC Output		
Rated Output Power (W)	600	800
Nominal Output Current (A)	2.6	3.48
Nominal Grid Voltage (V)	< 230(single-phase)	230(single-phase)
Grid Voltage Range (V)	180~264VAC	180~264VAC
Nominal Grid Frequency (Hz)	50Hz/60Hz	50Hz/60Hz
Max. Total Harmonic Distortion	<3%(rated power)	<3%(rated power)
Power Factor	>0.99	>0.99
Max Parallel	7 pcs	5 pcs
Anti-islanding Protection	Yes	Yes
Power FactorAC Short Circuit Protection	Yes	Yes

Model	ID600A	ID800A
System		
Max. Efficiency	96.70%	96.70%
Protection Class	CLASS I	CLASS I
Protection Level	IP67	IP67
Cooling Method	Natural Cooling	Natural Cooling
Monitoring	WIFI	WIFI
Ambient Temperature Range (°C)	-40 ~ +65	-40 ~ +65
Manufacturer's Warranty	10 Years	10 Years
Mechanical Data		
Dimensions (W x H x D mm)	225 x 225 x 37	225 x 225 x 37
Weight (kg)	3.25	3.25

*1 Nominal voltage/frequency range can vary depending on local requirements.

*2 Refer to local requirements for exact number of microinverters per branch.



Note:

- ①. Nominal voltage/frequency range can vary depending on local requirements.
- ②. Refer to local requirements for exact number of microinverters per branch.