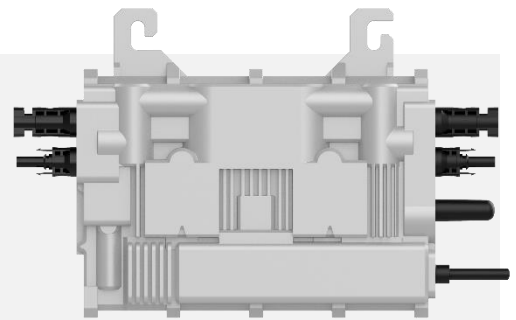


EON MI800/1000S-2a | Microinverter



Introduction

Eonland Microinverter, with industry-leading power density, efficiency and reliability, is the result of the cutting-edge technology and craftsmanship that Powerland has developed in power electronics. Relying on the reliability design results of similar products, Eonland Microinverters take the lead in offering 14 years standard warranty.



Applications

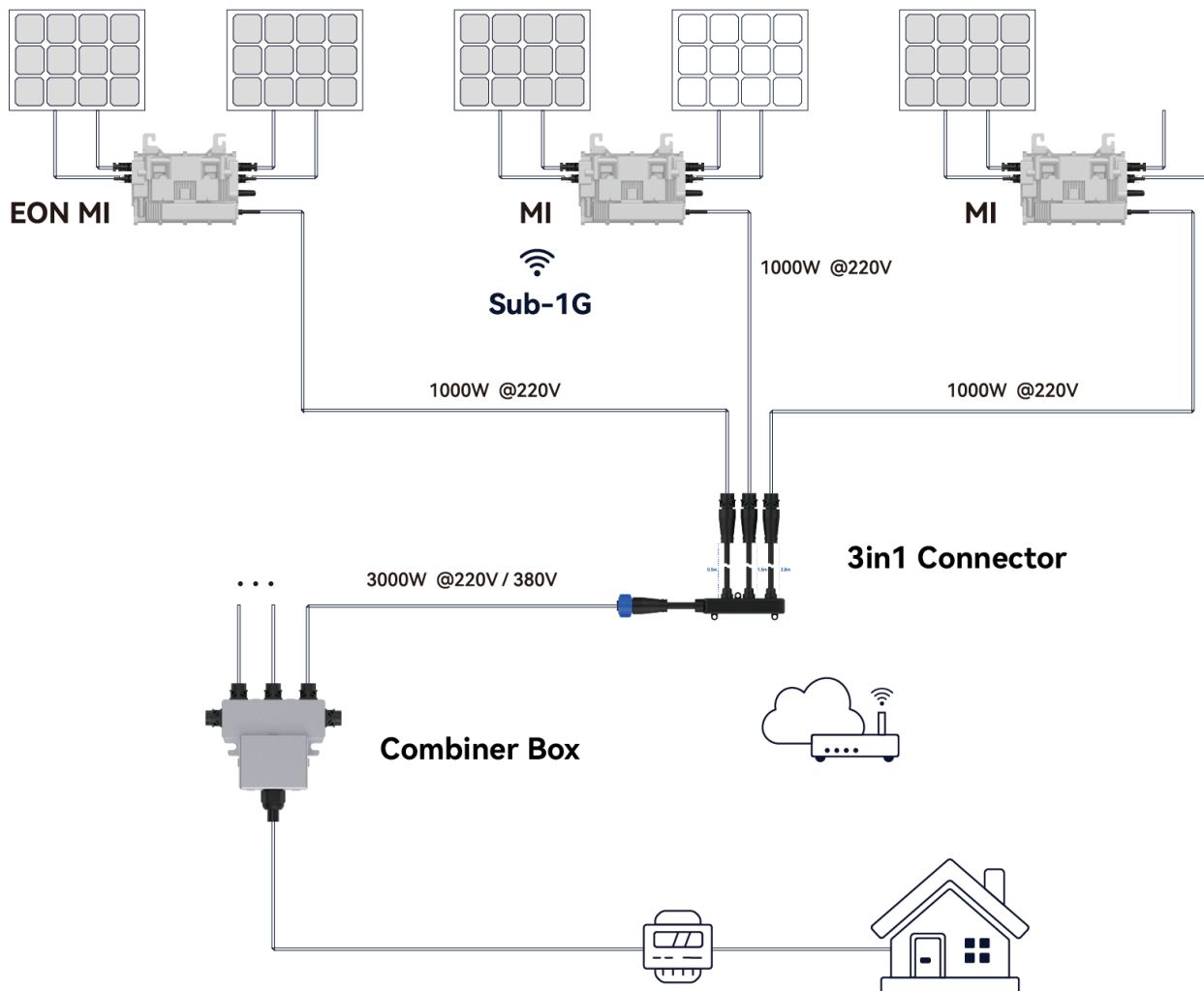
Residential, commercial and industrial distributed photovoltaic power system

Features

- Ultra-compact, ultra-light, ultra-high power density
- Higher efficiency
- Safer with rapid shutdown compliance
- Cluster-Connection enables faster, safer and flexible installation
- High reliability, 14 years standard warranty
- 2-in-1 design with 2 independent MPPTs and monitoring

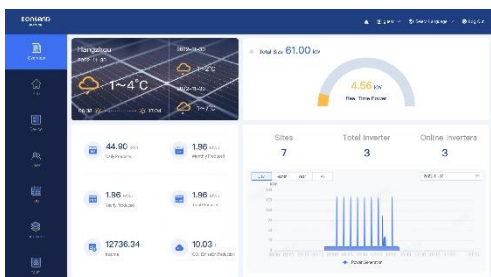
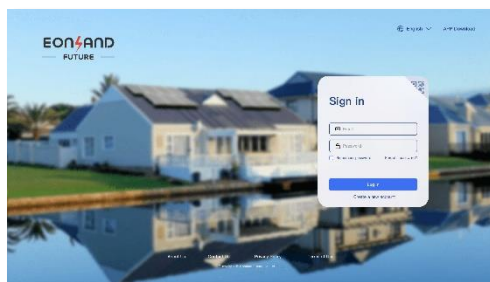
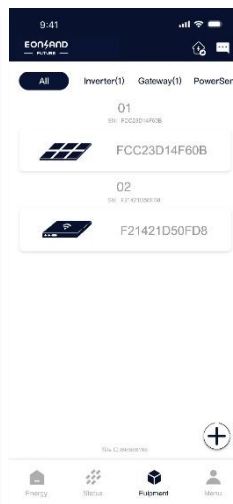
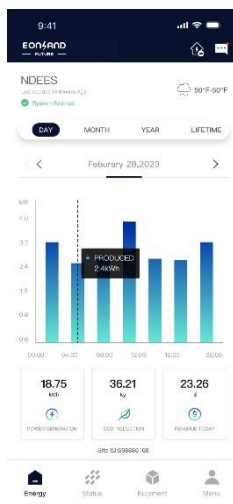
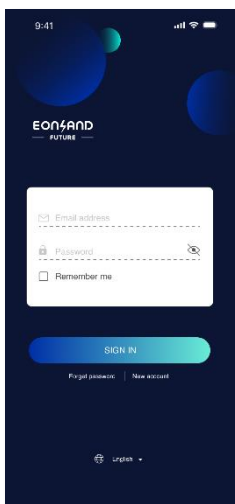
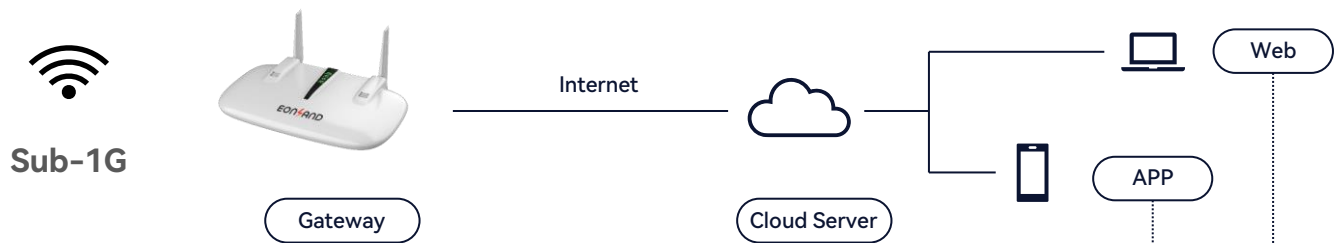
Cluster-Connection (*Up to 100 microinverters connected to a gateway)

PV Panels



- Plug and play, great saving on-site workload and time.
- Prefabricated connectors, lower the risk of unreliable wiring.
- Adaptable for both single-phase and three-phase systems.

Cloud Monitoring



ID	Model	Manufacturer	Serial	Power	Status	Online	Alert
FCC23D14F60B	F1000	First Solar	2023	1000W	Online	✓	0
F21421D50FD8	F1000	First Solar	2023	1000W	Online	✓	0
FCC23D14F60B	F1000	First Solar	2023	1000W	Online	✓	0
F21421D50FD8	F1000	First Solar	2023	1000W	Online	✓	0

Specifications

Model	EON MI800S-2a		EON MI1000S-2a	
Input Data (DC)				
Power of every input port	320~590W		400~670W	
Maximum input voltage	Min.16, Typ.40, Max.65V			
Start-up voltage	Min.18, Typ.19, Max.20V			
MPPT voltage range	35 to 50V			
Maximum input current	2 x 14A		2 x 17A	
Maximum input short circuit current	2 x 22A			
Number of MPPTs	2			
Number of Inputs per MPPT	1			
Output Data (AC)				
Rated output power	800VA		1000VA	
Output current regulation band	0~5.6A			
Output voltage	Min.183V	Typ. 230V		Max. 265V
AC frequency range	45~55/55~65Hz			
Total harmonic distortion	< 3%			
Power factor	0.99			
Efficiency				
Peak efficiency	96.7%			
MPPT efficiency	99.8%			
Communication: Sub-1G/Wi-Fi				
Environmental and Mechanical				
Ambient temperature range	-40 to +65℃			
Enclosure rating	Outdoor-IP67/Type 3R			
Cooling	Natural convection			
Dimensions (W×H×D)	228×196.5×29.8mm			
Weight	2kg			
Regulatory				
Agency Requirements	IEC/EC62109-1/-2, EN 50549, NB/T 32004: 2018, VDE-AR-N 4105-2018			
Electromagnetic compatibility	IEC/EC 61000-3-2/-3			