



IEM-1000-2T-IN.G1-WIFI (2-IN-1 VERSION)

Description

- Interstellar's IEM-1000 microinverter, at 1000VA, leads the industry's new development trend.
- Integrated with advanced module-level MPPT and data monitoring functions, boosts power generation, simplifies maintenance.
- Sub-1G wireless communication technology ensures a stable communication for products in harsh environments.



Features

- The microinverter has a maximum output power of 1000VA.
- Module-level MPPT and data monitoring, enhancing power generation efficiency and simplifying operation and maintenance.
- DC-end crash protection added, easier installation and lower cost for the Interstellar 2 in 1 unit Microinverter.
- Designed life time more than 25 years, it offers exceptional quality, durability, and long-term stability.
- Compliance: VDE-AR-N 4105:2020, EN50549-1:2019, EN50549-10:2022, IEC/EN 62109-1/-2, IEC/EN-61000-6-1/-3, ETSI EN 300 220-1/-2, ETSI EN 301 489-1/-3, EN62479:2010, IEC61627:2004, IEC62116:2014.

Technical Specifications

Model	IEM-800	IEM-900	IEM-1000
Input Data(DC)			
Commonly used module power(W)	320~540+	360~600+	400~670+
Peak power MPPT voltage range(V)	25~55		
Start-up voltage (V)	22		
Operating voltage range (V)	22~60		
Maximum input voltage (V)	65		
Maximum input current (A)	14*2	15*2	16*2
Maximum input short circuit current (A)	25*1		
Output Data(AC)			
Rated output power (VA)	800	900	1000
Rated output current (A)	3.48	3.91	4.35
Nominal output voltage / range (V)	230/180-275		
Nominal frequency / range (Hz)	50/45-55 or 60/55-65		
Power factor (adjustable)	> 0.99 default 0.8leading-0.8lagging		
Total harmonic distortion	<3%		
Maximum units per branch (12AWG)	9	8	7
Maximum units per branch (10AWG)	11	9	8
Efficiency			
CEC peak efficiency	96.5%		
CEC weighted efficiency	96.5%		
Nominal MPPT efficiency	99.9%		
Night-time power consumption (mW)	<50		
Mechanical Data			
Ambient temperature range (°C)	-40~+65		
Dimensions(W x HxD mm)	264×287.5×38.5		
Weight (KG)	3.6		
Protective rating (IP)	IP67		
Cooling	Natural convection-No fans		
Features			
Communication	Sub-1G		
Warranty	25 years optional		
Compliance	VDE-AR-N 4105:2020, EN50549-1:2019, EN50549-10:2022, IEC/EN 62109-1/-2, IEC/EN-61000-6-1/-3, ETSI EN 300 220-1/-2, ETSI EN 301 489-1/-3, EN62479:2010, IEC61627:2004, IEC62116:2014		