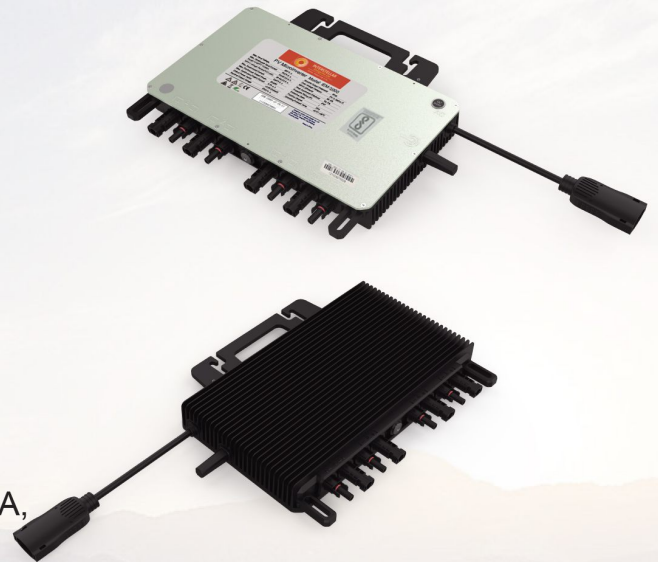




IEM-2000-2T-IN.G1-WIFI (4-IN-1 VERSION)

Description

- Interstellar's IEM-2000 microinverter, at 2000VA, 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 2000VA.
- 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 4 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, PTPIREE2021-04, PSE 2018-12, 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 -1600	IEM -2000
Input Data(DC)		
Commonly used module power(W)	320~540+	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*4	16*4
Maximum input short circuit current (A)	25*4	
Output Data(AC)		
Rated output power (VA)	1600	2000
Rated output current (A)	6.96	8.70
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)	4	3
Maximum units per branch (10AWG)	5	4
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)	291×341×43.5	
Weight (KG)	5.4	
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, PTPIREE2021-04,PSE 2018-12,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	