

MICROINVERTER

FM 1200-4T1P-EU FM 2000-4T1P-EU
FM 1600-4T1P-EU FM 2400-4T1P-EU

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Higher Efficiency

Higher DC-to-AC conversion rate and the ability to handle small fluctuations of energy output



Easy and Quick Installation

4-in-1 design to allow quick installation and save space



Cost-Effective

Longer lifespan. 4 input channels to reduce installation costs



Real-Time Monitoring

Real-time monitoring and managing the performance of each solar panel to help troubleshoot remotely



Greater Safety

IP67 protection degree, rapid shutdown function, and safety protection relay integrated



Higher Reliability

Fewer components make it have a lower likelihood of experiencing failures

MODEL	FM 1200-4T1P-EU	FM 1600-4T1P-EU	FM 2000-4T1P-EU	FM 2400-4T1P-EU
Input Data(DC)				
Recommended input power(W)	320 to 540(4 pieces)	360 to 600(4 pieces)	400 to 670 (4 pieces)	480 to 805 (4 pieces)
Maximum Input Voltage(V)	60	60	60	60
MPPT Voltage Range(V)	20-60	20-60	20-60	20-60
Start-up Voltage(V)	16	16	16	16
Maximum Input Current(A)	4 × 13	4 × 13	4 × 15	4 × 20
Maximum Short Circuit Current(A)	20	25	25	25
Number of MPPTs	4	4	4	4
Number of Inputs Per MPPT	1	1	1	1
Output Data(AC)				
Rated Output Power(VA)	1200	1600	2000	2400
Rated Output Current(A)	5.2	7	8.7	10.4
Nominal Voltage/Range(V)	230/180-275	230/180-275	230/180-275	230/180-275
Nominal Frequency/Range(Hz)	50/45-55 60/55-65	50/45-55 60/55-65	50/45-55 60/55-65	50/45-55 60/55-65
Power Factor	> 0.99 default 0.8 leading...0.8 lagging			
Total Harmonic Distortion	<3%	<3%	<3%	<3%
Maximum units per 10AWG branch	3	3	3	3
Maximum Units Per 12AWG Branch	2	2	2	2
Efficiency				
CEC Peack Efficiency	96.7	96.7	96.7	96.7
Nominal MPPT Efficiency	99.8	99.8	99.8	99.8
Night Power Consumption(mW)	< 50	< 50	< 50	< 50
Mechanical Data				
Ambient Temperature Range(°C)	-40 to +65	-40 to +65	-40 to +65	-40 to +65
Dimensions(W*H*D mm)	332 × 219 × 39.2	332 × 219 × 39.2	332 × 219 × 39.2	332 × 219 × 39.2
Weight(Kg)	5.32	5.32	5.32	5.32
Enclosure Rating	IP67	IP67	IP67	IP67
Cooling	Natural Convection (no fans)			
Features				
Communication	2.4 GHz WIFI			
Type of Isolation	High frequency transformer, Electrical isolated			
Monitoring	S-Miles Cloud3			
Compliance	VDE-AR-N 4105: 2018, EN 50549-1: 2019, VFR 2019, 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3 IEC 62891 ABNT NBR 16149:2013 ABNT NBR 16150:2013 ABNT NBR IEC 62116: 2012 ORDINANCE No. 140, OF MARCH 21, 2022			

