

# MICRO INVERTER NEF-MI-1200



## Features

- ◆ Maximum output power up to 1200W ; Adapted to 60&72 cells PV panels
- ◆ Peak efficiency 96.5% ; CEC weighted efficiency 96%
- ◆ Static MPPT efficiency 99.8% ; Dynamic MPPT efficiency 99.67% in overcast weather
- ◆ High reliability : NEMA6(IP67) enclosure ; 6000V surge protection

Model	NEF-MI-1200			
<b>Input Data (DC)</b>				
Recommended input power (W)	Up to 380 (Single panel)			
Maximum input voltage (V)	60			
Peak power MPPT voltage range (V)	32~48			
Maximum input current (A)	10.5A × 4			
Nominal MPPT efficiency	99.80%			
<b>Output Data (AC)</b>		@208V AC	@240V AC	@230V AC
Peak output power (W)	1200			
Rated output power (W)	1200			
Maximum continuous current (A)	5.77	5	5.21	
Nominal Power Grid Voltage (Vac)	208	240	230	
Allowable Power Grid Voltage (Vac)	180~275	180~275	180~275	
Nominal Frequency (Hz)	60	60	50/60	
Allowable Power Grid Frequency (Hz)	58~62	58~62	45~55/ 55~65	
Power factor	>0.99			
Output current harmonic distortion	<3%			
Maximum units per 20A branch	4	4	4	
<b>Efficiency</b>				
CEC weighted efficiency	96.50%			
Night time power consumption (W)	< 0.05			
<b>Mechanical Data</b>				
Ambient temperature range (°C)	-40 ~ +65			
Operating temperature range (°C)	-40 ~ +85			
Dimensions ( W x H x D in)	11.0" x 6.93" x 1.30"			
Weight	8.267 lb ( 132.277 oz )			
Enclosure rating	NEMA6 ( IP67 )			
<b>Other Features</b>				
Communication	Wireless			
Design lifetime	> 25 years			