

# MICRO INVERTER NEF-MI-300X2



## Features

- ◆ Global certified by both IEC and UL , comply to Hawaii electric TrOV-2 & voltage ride-through requirement
- ◆ Designed to connect two PV modules with individual MPPT control
- ◆ CEC Efficiency at 95.5% , improve overall solar system output
- ◆ NEMA6 ( IP67 ) enclosure rating provide the industry best protection for humidity
- ◆ Integrated grounding and flexible cable option (trunk cable & daisy chain) make installation easier
- ◆ Half of the installation point and the inverters for any solar system will reduce installation cost and improve the system reliability

Model	NEF-MI-300×2			
<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)	20~55			
Maximum input current (A)	12A×2			
Nominal MPPT efficiency	> 99.5%			
<b>Output Data (AC)</b>		@208V AC	@240V AC	@230V AC
Peak output power (W)	560			
Rated output power (W)	540			
Maximum continuous current (A)	2.60	2.25	2.35	
Nominal Power Grid Voltage (Vac)	208	240	230	
Allowable Power Grid Voltage (Vac)	186~228	211~264	configurable	
Nominal Frequency(Hz)	60	60	50/60	
Allowable Power Grid Frequency (Hz)	59.3~60.5	59.3~60.5	configurable	
Power factor	>0.99			
Output current harmonic distortion	<3%			
Maximum units per 20A branch	6	7	6	
<b>Efficiency</b>				
CEC weighted efficiency	95.50%			
Night time power consumption (W)	< 0.11			
<b>Mechanical Data</b>				
Ambient temperature range (°C)	-40 ~ +65			
Operating temperature range (°C)	-40 ~ +85			
Dimensions ( W ×H × D in )	10.966" × 5.197"× 1.969"			
Weight	8.818 lb (141.096 oz)			
Enclosure rating	NEMA6 ( IP67 )			
<b>Other Features</b>				
Communication	Power Line			
Design lifetime	> 25 years			