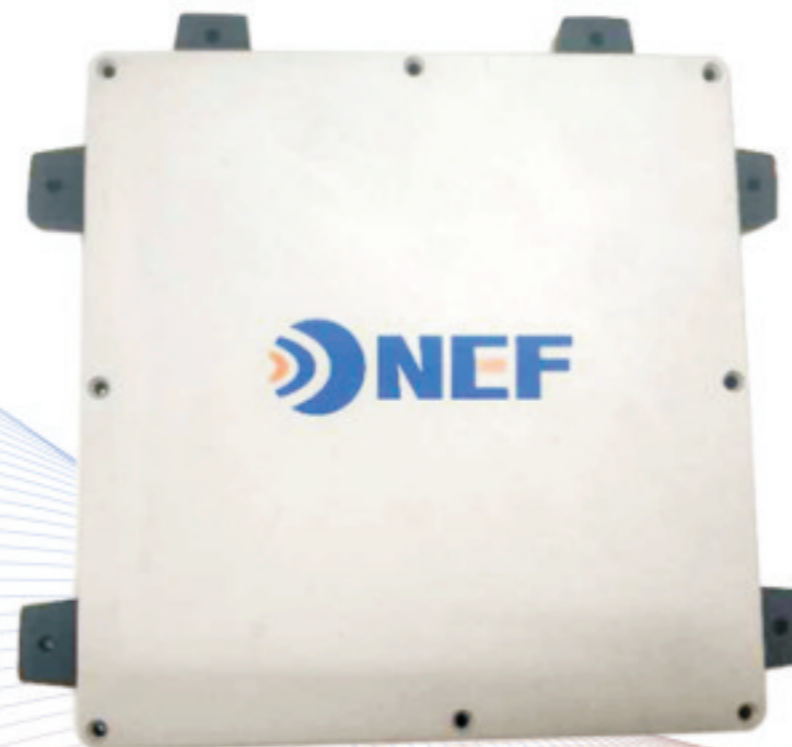


NEF-MI-300



Features

- ◆ Global certified by both IEC and UL , comply to Hawaii electric TrOV-2 & voltage ride-through requirement
- ◆ Designed to connect individual PV module up to 400W
- ◆ CEC Efficiency at 95.5% , improve overall solar system output
- ◆ Thinnest micro inverter in the world with 25mm thickness , best for both frame mouneted and rail mountede solution
- ◆ NEMA-4X and NEMA-6P enclosure rating provide the industry best protection for humidity
- ◆ Integrated grounding and flexible cable option (trunk cable & daisy chain) make installation easier

Model	NEF-MI-300		
Input Data (DC)			
Recommended input power (W)	Up to 310/380 (Single panel)		
Maximum input voltage (V)	60		
Peak power MPPT voltage range (V)	27 ~ 55		
Maximum input current (A)	12		
Nominal MPPT efficiency	> 99.5%		
Output Data (AC)			
	@208V AC	@240V AC	@230V AC
Peak output power (VA)	300		
Rated output power (W)	250		
Maximum continuous current (A)	1.2	1.04	1.09
Nominal Power Grid Voltage (Vac)	208	240	230
Allowable Power Grid Voltage (Vac)	183~229	211~264	configurable
Nominal Frequency (Hz)	60	60	50
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	13	15	14
Efficiency			
CEC weighted efficiency	95.50%		
Night time power consumption (W)	< 0.06	< 0.08	< 0.07
Mechanical Data			
Ambient temperature range (°C)	-40 ~ +65		
Operating temperature range (°C)	-40 ~ +85		
Dimensions (W x H x D mm)	180 x 186 x 25		
Weight (kG)	2.1		
Enclosure rating	NEMA6 (IP67)		
Other Features			
Communication	Power Line		
Design lifetime	> 25 years		