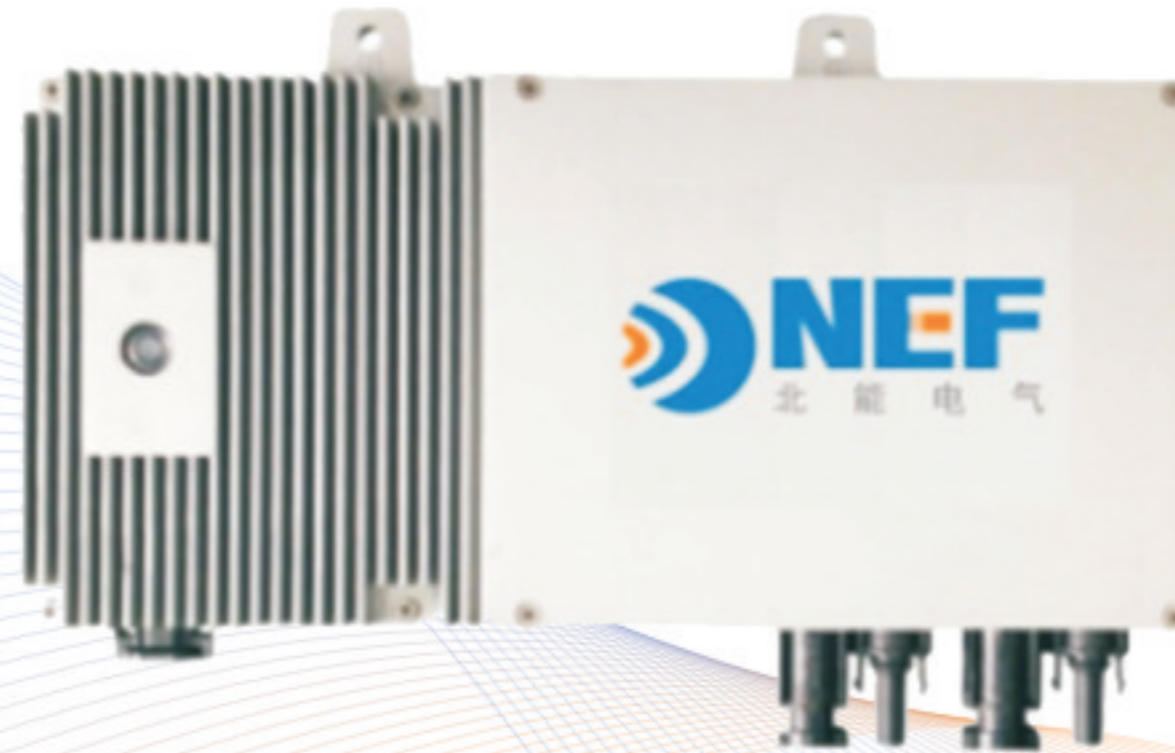


NEF-MI-300X2



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
- ◆ 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
- ◆ Half of the installation point and the inverters for any solar system will reduce installation cost and improve the system reliability

Model	NEF-MI-300X2		
Input Data (DC)			
Recommended input power (W)	Up to 310/380 (Single panel)		
Maximum input voltage (V)	60		
Peak power MPPT voltage range (V)	25 ~ 55		
Maximum input current (A)	12A x 2		
Nominal MPPT efficiency	> 99.5%		
Output Data (DC)			
	@208V AC	@240V AC	@230V AC
Peak output power (VA)	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)	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	6	7	6
Efficiency			
CEC weighted efficiency	95.50%		
Night time power consumption (W)	< 0.11		
Mechanical Data			
Ambient temperature range (°C)	-40 ~ +65		
Operating temperature range (°C)	-40 ~ +85		
Dimensions (W x H x D mm)	277 x 132 x 50		
Weight (kg)	4		
Enclosure rating	NEMA6 (IP67)		
Other Features			
Communication	Power Line		
Design lifetime	> 25 years		