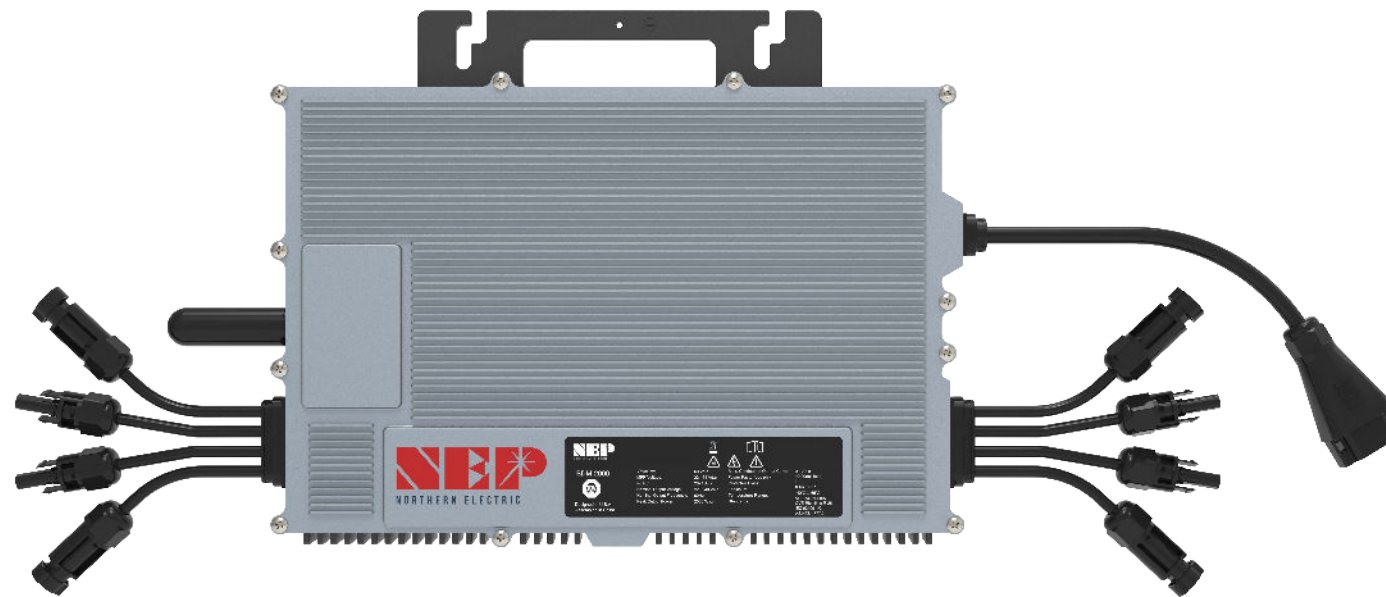




BDM-2000 MICROINVERTER



Features



- U.S. California Rule 21 Certified
- Low cost \$/watt micro inverter
- Built-in WiFi for remote monitoring



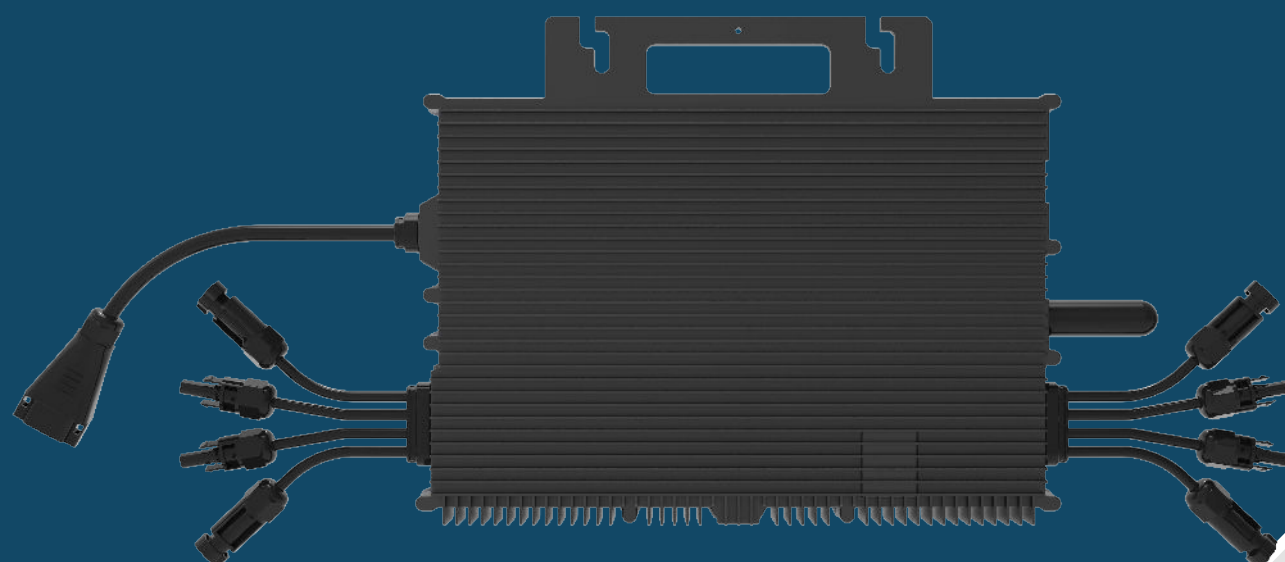
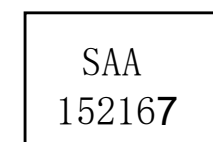
- High continuous output power up to 2000Wac, recommended for four max 700W solar panel
- High efficiency with 96.5% CEC



- Globally certified for UL1741, SAA, TUV, VDE-AR-N 4105, VDE 0126, G83/2, CEL 021, IEC61727, EN50438, TOR Erzeuger Typ A
- Integrated grounding for easy installation

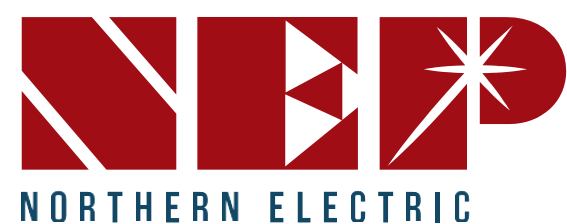


- NEMA-6/IP-66/IP-67 enclosure rating
- Can connect with BDM-1600, BDM-1200, BDM-1000, BDM-800, BDM-600 (aka BDM-300X2), BDM300 and BDM-250

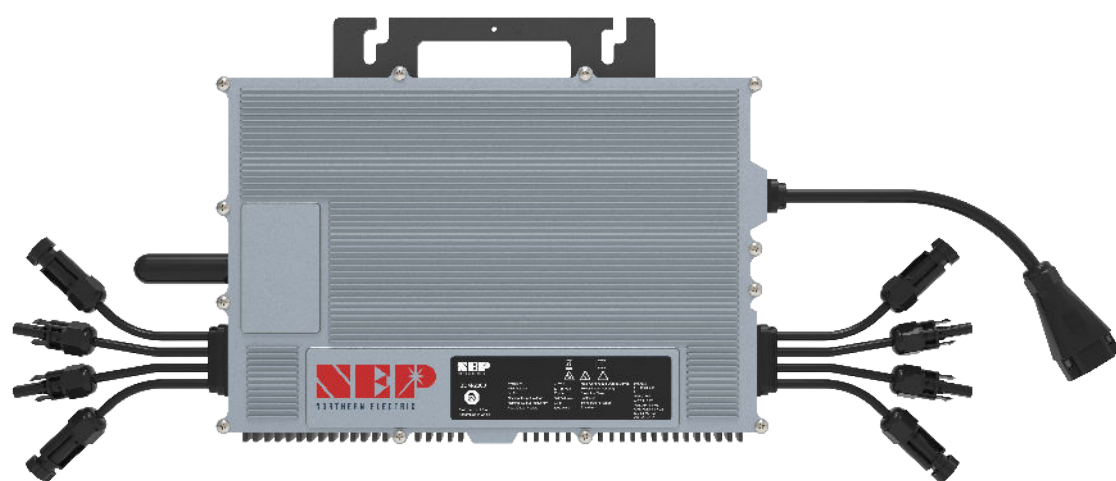


Important product information

- NEP is committed to developing Clean, Affordable, Reliable and Efficient (CARE) products for our customers worldwide.
- NEP microinverters have an isolation transformer and basic isolation between the DC input and the AC output network.



BDM-2000 MICROINVERTER



INPUT(DC)

Recommended Max PV Power (Wp)	750 x 4		
Max DC Open Circuit Voltage (Vdc)	60		
Max DC Input Current (Adc)	18 x 4		
MPPT Tracking Accuracy	99.9%		
MPPT Tracking Range (Vdc)	22-55		
Isc PV (absolute maximum) (Adc)	20 x 4		

OUTPUT (AC)

Maximum Inverter Backfeed Current to the Array (Adc)	0		
Peak AC Output Power (Wp)	2000		
Nominal Power Grid Voltage (Vac)	220	240	208
Allowable Power Grid Voltage (Vac)	180-275*	180-275*	180-275*
Allowable Power Grid Frequency (Hz)	50/45-55	60/55-65	60/55-65
THD	<3% (at rated power)		
Power Factor (cos phi, fixed)	>0.99(at rated power)		
Max Output Current (Aac)	9.0	8.33	9.62
Current (inrush)(Peak and Duration)	24A, 15us		
Nominal Frequency (Hz)	60	60	50
Maximum Output Fault Current (Aac)	18.0A peak		
Maximum Output Overcurrent Protection (Aac)	18		
Maximum Number of Units Per Branch (12AWG) (All NEC adjustment factors have been considered)	1	1	1

SYSTEM EFFICIENCY

Peak Efficiency	97.20%		
Night Time Tare Loss (Wp)	0.11		
Over/Under Voltage Protection	Yes		
Over/Under Frequency Protection	Yes		
Anti-Islanding Protection	Yes		
Over Current Protection	Yes		
Reverse DC Polarity Protection	Yes		
Overload Protection	Yes		
Protection Degree	NEMA-6 / IP-66 / IP-67		
Ambient Temperature	-40°F to +149°F (-40°C to +65°C)		
Operating Temperature	-40°F to +185°F (-40°C to +85°C)		
Display	LED LIGHT		
Comunications(Wifi)	Frequency: 2.4 Ghz Standards: IEEE 802.11/b/g/n		
Dimension (W-H-D)	11.81"x9.18"x1.50"(300x233x38 mm)		
Weight	11.76 lbs. (5.33 kg)		
Environment Category	Indoor and outdoor		
Wet Location	Suitable		
Pollution Degree	PD 3		
Overvoltage Category	II(PV), III (AC MAINS)		

PROTECTION FUNCTIONS

Product Safety Compliance	IEC/EN 62109-1 IEC/EN 62109-2	California Rule 21 certified UI1741 CSA C22.2 No.107.1
Grid Code Compliance* (Refer to the label for the detailed grid code compliance)	VDE-AR-N 4105* VDE V0126-1-1/A1 G83/2, CEI 021 AS 4777.2 & AS 4777.3, EN50438 Erzeuger Typ A	IEEE 1547-2018

* Grid parameters are configurable through remote monitoring
* All NEC required adjustment factors have been considered for AC outputs. AC current outputs will not exceed stated values for Rated Output AC Current

COMPLIANCE

*NEC 2020 Section 690.11 DC Arc-Fault Circuit Protection
*NEC 2020 Section 690.12 Rapid Shutdown of PV Systems on Buildings
*NEC 2020 Section 705.12 Point of Connection (AC Arc-Fault Protection)