

BDM-800 MICROINVERTER



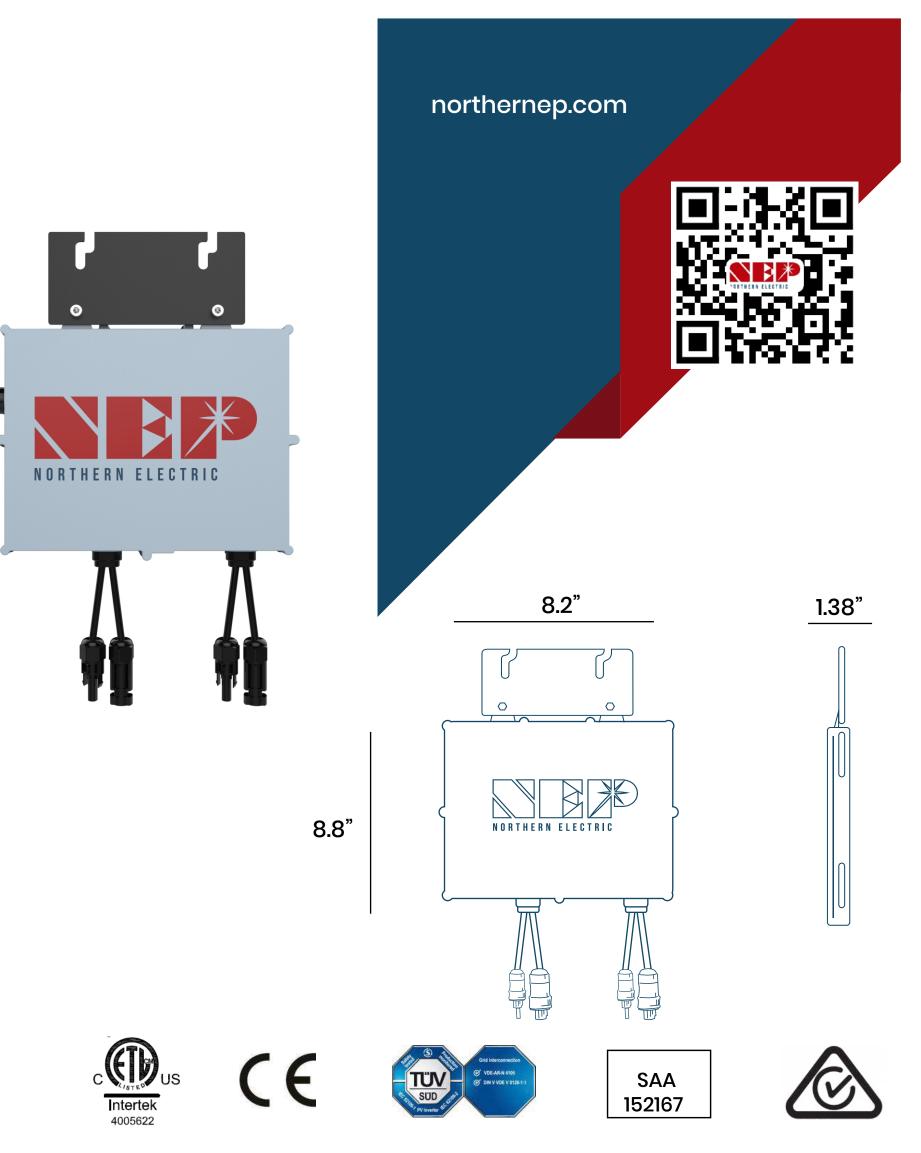
Features

- U.S. California Rule 21 Certified
- Low cost \$/watt microinverter
- High continuous output power up to 768Wac, recommended for up to two 600W modules



- High efficiency; 96.5% CEC rating
- Globally certified for UL1741, SAA, TUV, VDE-AR-N
- 4105, VDE 0126, TOR Erzeuger Type A
- Integrated grounding for easy installation
- NEMA-6/IP-66/IP-67 enclosure rating
- Integrated monitoring and power line communication with BDG256 gateway
- Compatible with BDM-650 and BDM-550





Important product information

• NEP is committed to developing Clean, Affordable, Reliable and Efficient (CARE) products for our

• NEP microinverters have an isolation transformer and basic isolation between the DC input and the AC output network.



* Grid parameters are configurable through a BDG-256 or BDG-256P3 gateway

* 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

*HECO Certified

*UL1741 SB

*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) *Rule-21 Certified

Max Recommer Max DC Open Ci Max DC Input Cu MPPT Tracking A INPUT(DC) MPPT Tracking R Isc PV (absolute Maximum Invert Peak AC Output Rated AC Outpu Nominal Power Allowable Power **Allowable Powe** THD Power Factor (c OUTPUT (AC) Rated Output Cu Current (inrush) Nominal Freque Maximum Outpu Maximum Outpu Maximum Numk (20A) (All NEC adjustn Weighted Averc SYSTEM EFFICIENCY Night Time Rate Over/Under Volt Over/Under Fred Anti-Islanding Pi **Over Current Pro Reverse DC Pola Overload Protect** Protection Degre **Ambient Tempe Operating Temp** Display Comunications Dimension (W-H PROTECTION Weight **FUNCTIONS** Environment Ca Wet Location Pollution Degree Overvoltage Cat Product Safety C Grid Code Com for the detailed

ended PV Power (Wp)	650 * 2		
Circuit Voltage (Vdc)	60		
current (Adc)	17 x 2		
Accuracy	>99.5%		
, Range (Vdc)	22-55		
e maximum) (Adc)	20 x 2		
rter Backfeed Current to the Array (Adc)	0		
t Power (Wp)	800		
ut Power (Wp)	768	700	750
<u> Grid Voltage (Vac) </u>	240	208	230
<u>· Grid Voltage (Vac)</u>	211-264*	183-228*	configurable*
er Grid Frequency (Hz)	59.3 -	60.5*	configurable*
	< <u>3% (at rated power)</u>		
cos phi, fixed)	-0.99>0.9 (c	adjustable)	0.8un>0.8ov
Current (Aac)	3.2	3.36	3.26
)(Peak and Duration)	9.4A, 15us		
ency (Hz)	60 50		
out Fault Current (Aac)	9.6A peak		
out Overcurrent Protection (Aac)	20		
nber of Units Per Branch tment factors have been considered)	5	4	4
aged Efficiency (CEC)	96.50%		
e Loss (Wp)	0.11		
Itage Protection	Yes		
equency Protection	Yes		
Protection	Yes		
rotection	Yes		
arity Protection	Yes		
ction	Yes		
ree	NEMA-6 / IP-66 / IP-67		
erature	-40°F to +149°F (-40°C to +65°C)		
perature	-40°F to +185°F (-40°C to +85°C)		
	LED LIGHT		
8	Power Line		
H-D)	8.8"x8.2"x1.38" (268x250x42 mm)		
	6.4 lbs. (2.9 kg)		
ategory	Indoor and outdoor		
	Suitable		
e	PD 3		
ategory	II(PV), III (AC MAINS)		
Compliance	CS	1741 SB A C22.2 . 107.1	IEC/EN 62109-1 IEC/EN 62109-2
npliance* (Refer to the label d grid code compliance)	IEEE	1547	VDE-AR-N 4105* VDE V 0126-1-1/A1 AS 4777.2 & AS TOR Erzeuger Typ A