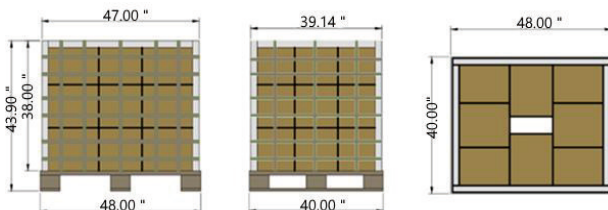
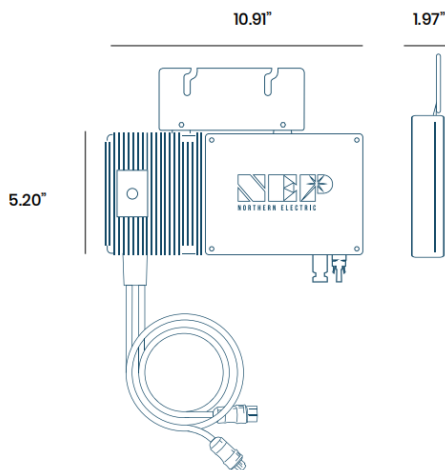


BDM-500 MICROINVERTER CEC Listing



STANDARD DIMENSIONS Inches



Per box: 7 pcs
Boxes per layer: 8Pallet
Layers: 3

Pallet Qty: 168 pcs
weight: 1072 lbs.

SPECIFICATIONS

INPUT(DC)			
Max Recommended PV Power (Wp)	750		
Max DC Open Circuit Voltage (Vdc)	60		
Max DC Input Current (Adc)	25		
MPPT Tracking Accuracy	>99.5%		
MPPT Tracking Range (Vdc)	22-55		
Isc PV (absolute maximum) (Adc)	25		
Maximum Inverter Backfeed Current to the Array (Adc)	0		
OUTPUT(AC)			
Maximum Power (P max ac)	550		
Rated AC Output Power (Wp)	500		
Nominal Power Grid Voltage (Vac)	240	208	230
Allowable Power Grid Voltage (Vac)	211-264*	183-229*	180-270*
Allowable Power Grid Frequency (Hz)	59.3-60.5		
THD	<3%(at rated power)		
Power Factor (cos phi, fixed)	>0.99(at rated power)		
Rated Output Current (Aac)	2	2.4	2.17
Current (inrush) (Peak and Duration)	24A,15us		
Nominal Frequency (Hz)	60		50
Maximum Output Fault Current (Aac)	4.4A peak		
Maximum Output Overcurrent Protection (Aac)	10		
Maximum Number of Units Per Branch (20A) (All NEC adjustment factors have been considered)	8	6	7
SYSTEM EFFICIENCY			
Weighted Averaged Efficiency (CEC)	95.50%		
Night Time Tare Loss (Wp)	0.11		
PROTECTION FUNCTIONS			
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		
Communications	Power Line		
Dimension (W-H-D)	10.91"x5.20"x1.97" (277x132x50mm)		
Weight (including AC cable)	6.4lbs. (2.90kg)		
Environment Category	Indoor and outdoor		
Wet Location	Suitable		
Pollution Degree	PD3		
Over voltage Category	II(PV), III(ACMAINS)		
Product Safety Compliance	UL1741CSAC22.2No107.1/ IEC/EN62109-1IEC/EN62109-2		

All NEC required adjustment factors have been considered for AC outputs.
AC current outputs will not exceed stated values for Rated output AC Current.

COMPLANCE

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)