



BDM-2000

MICROINVERTER

Powerful Hybrid Solution

The NEP BDM-2000 is a highly efficient solar inverter designed for residential and commercial use in Canada and the U.S. It is California Rule 21 Certified, ensuring compliance with local regulations. With a maximum power point tracking efficiency of up to 99.9%, it maximizes energy harvest. The built-in WiFi enables remote monitoring, and its high continuous output power of up to 2000Wac makes it ideal for use with up to four 750W solar panels. This inverter boasts a high efficiency rating of 96.5% CEC and is globally certified for UL1741, INMETRO, TUV, VDE-AR-N 4105, VDE 0126, EC61727, EN50549, TOR Erzeuger Typ A. It features an NEMA-6/IP-66/IP-67 enclosure rating and integrated grounding for easy installation.

Warranty



Material and Workmanship Warranty

Key Features



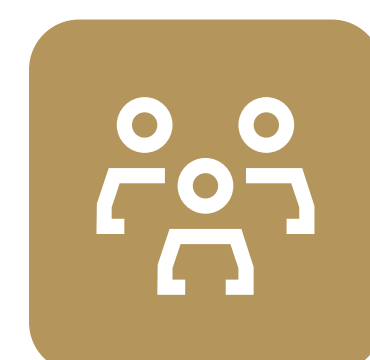
Efficiency up to 99.9

MTTP tracking efficiency up to 99.9% for high performance and with 96.5% CEC



High 2000Wac

Take advantage of low electrical rates during peak times.



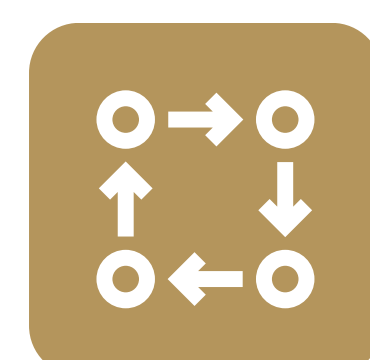
WiFi for remote monitoring

Built-in WiFi for remote monitoring



Outdoor rated!

NEMA-6/IP-66/IP-67 enclosure rating of up to -40°C



Integrated Grounding

Integrated grounding for easy installation. Avoid having to run external ground lines.



Compatible With AC Batteries

Add a battery by adding the AC power-wall battery solution

BDM-2000

MICROINVERTER



General

Dimensions(W * H *D)	300*233 *38mm/11.8 *9.18 *1.5inch
Weight	5.33kg/11.76lbs
Ingress protection rating	NEMA-6 / IP-66 / IP-67
Relative humidity	0-100%
Operating environment temperature range	-40°C to +65°C
Storage temperature range	-40°C to +65°C
Maximum Number of Units Per Branch (12AWG) (All NEC adjustment factors have been considered)	2
Warranty	25 years
Environment Category	Indoor and outdoor
Wet Location	Suitable
Pollution Degree	PD 3

Protection

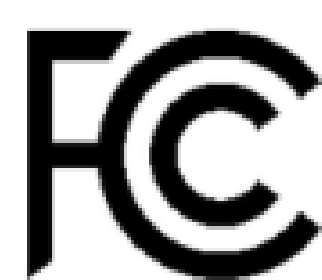
PV reverse polarity protection	YES
Over current/voltage protection	YES
Anti-islanding protection	YES
AC Short-circuit protection	YES
Leakage current protection	YES
DC switch	YES
AC/DC surge protection Type III	YES
Rapid shut down	YES
Grid/AFCI/RSD monitoring	YES

INPUT (PV DC)

Max. PV array power(W)	700 x 4
Rated PV input voltage(V)	60
Number of independent MPPT inputs	4
PV input voltage range(V)	35-55
Start-up voltage(V)	35
Max. PV input current per MPPT(A)	25 x 4

Standards & Certification

California Rule 21 certified UL1741 CSA C22.2 No.107.1



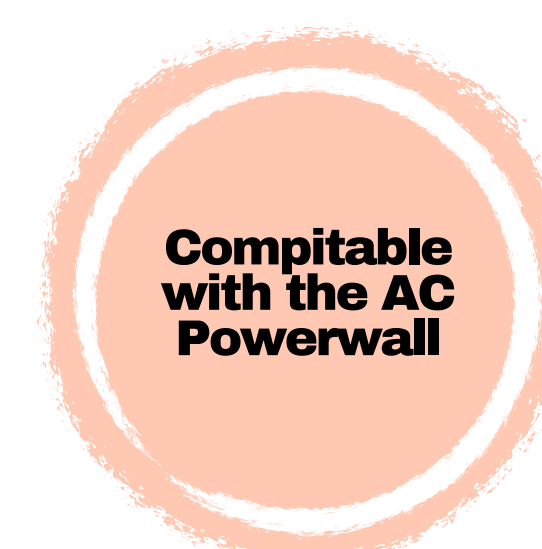
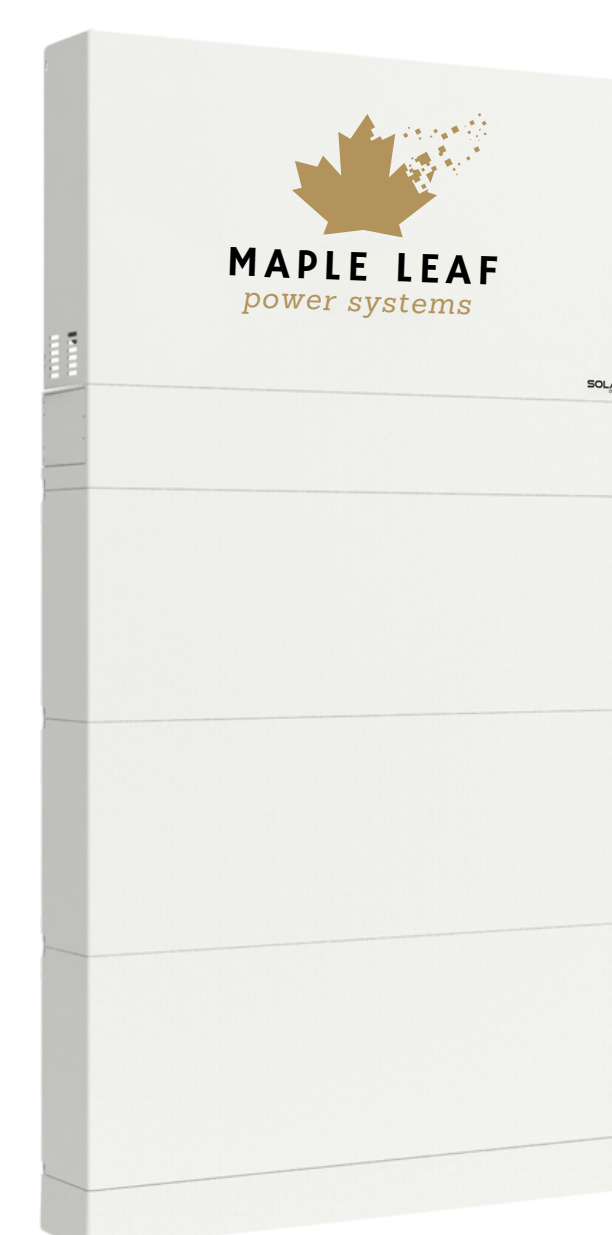
Efficiency

Max. MPPT efficiency	99.9%
Max. efficiency	97.2%
Battery charging/discharging efficiency	N/A
CEC efficiency	96.5%
Night Time Tare Loss (Wp)	0.11

Grid

Rated AC voltage(V)	230/240/208
Rated AC frequency(Hz)	60/55-65
Rated AC output current(A)	9.62
Rated AC output power(W)	2000
THD	<3% (at rated power)
Power Factor (cos phi, fixed)	>0.99(at rated power)
Current (inrush)(Peak and Duration)	24A, 15us
Maximum Output Fault Current (Aac)	18.0A peak
Maximum Output Overcurrent Protection (Aac)	18

Battery



*** The information and measurements in this datasheet have been assessed under Standard Test Conditions, so there may be slight differences from real-world findings. Maple Leaf and its associated entities retain the right to change the information given within this datasheet without prior notice. Our goal is to provide clients with the most recent product information. You can find these datasheets in the downloading section of our product description.

