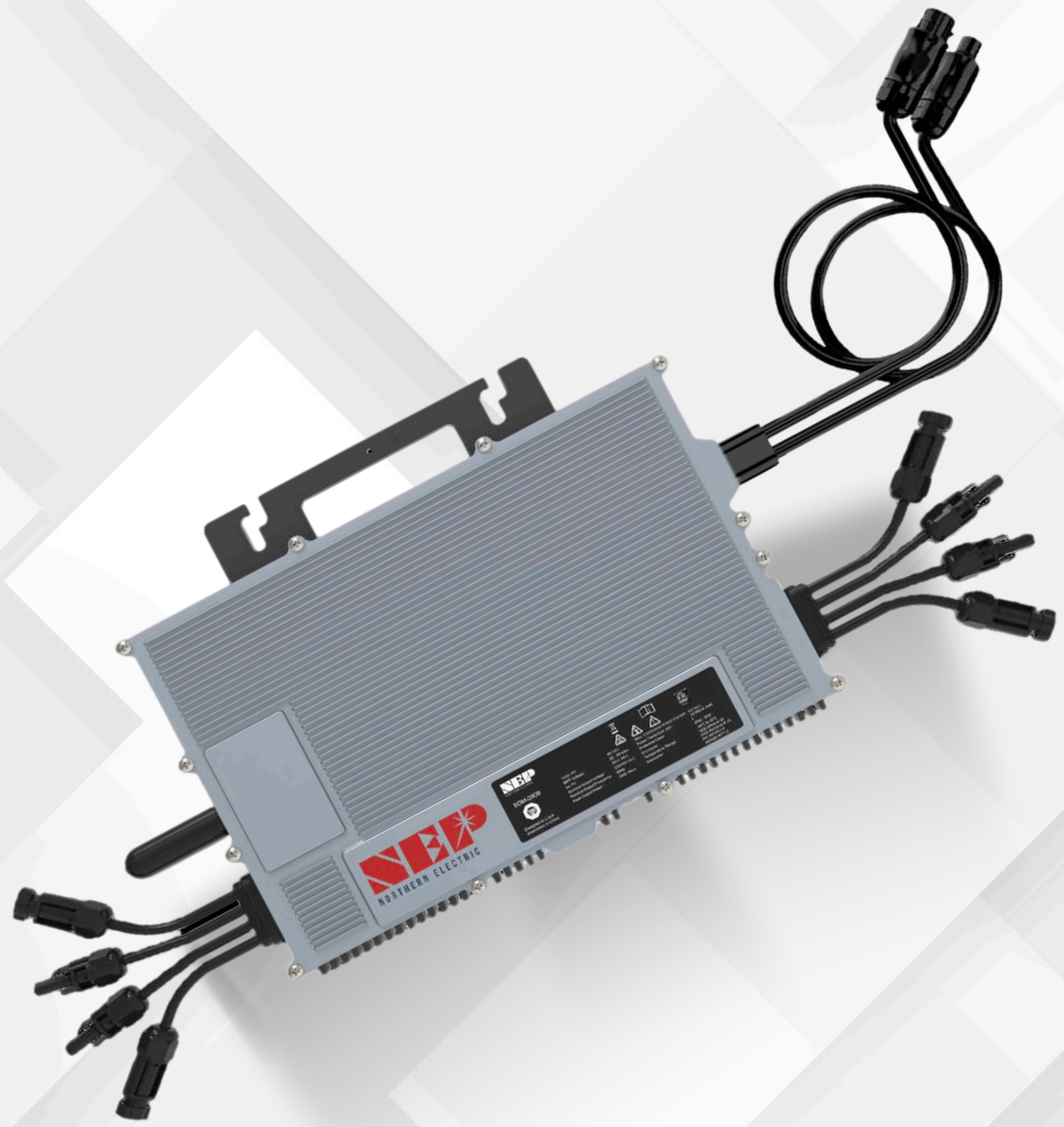
MAPLE LEAF
power systems

NEP
NORTHERN ELECTRIC



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 99.5%, it maximizes energy harvest. The built-in Wi-Fi 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

25 Years

Material and Workmanship Warranty

Key Features

Efficiency up to 99.9

MTTP tracking efficiency up to 99.5% 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

1-888-211-2550

526 Bryne Drive, Barrie, Ontario

https://mapleleafpowersystems.com/

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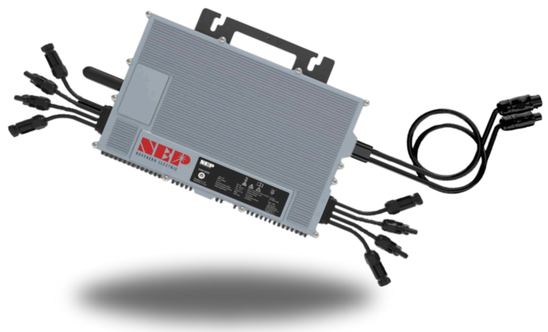

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General

Dimensions(W * H *D)	268 x 250 x 42
Weight	6Kg
Ingress protection rating	IP-67
Relative humidity	0-100%
Operating environment temperature range	-40°C to +65°C
DC Connector Type	MC4
AC Connection Type (inverter-inverter)	Trunk Cable
Communication Method	PLC or WiFi

Output | AC

Peak Output Power /VA	2000
Max. Continous Output Power /VA	1920
Rated Output Voltage /V	230
Nominal Output Voltage Range /V	Configurable
Max. Continous Output Current /A	8.3
Nominal Frequency / Range /Hz	50 / Configurable
Power Factor (Nominal/Adjustable Range)	1.0/0.9 leading...0.9 lagging
AC Short Circuit Fault Current Over 3 cycles /Arms	15.3
THDi@Rated Power	<3%
Max. Units per 20A Branch	2
Overvoltage Protection Category	III

INPUT (PV DC)

Recommended PV Module Power Range /W	750 x 4
MPPT Voltage Range /V	22-55
Max. Input Voltage /V	60
Max. Input Current /A	18 x 4
Start-up voltage(V)	24
Overvoltage Protection Category	II

Efficiency

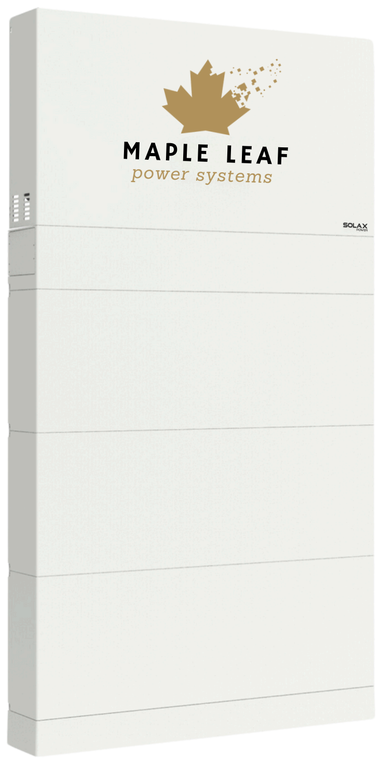
Max. MPPT efficiency	>99.5%
Max. efficiency	97.30%
Night Time Tare Loss (Wp)	0.11

Standards & Certification

California Rule 21 certidied UI1741 CSA C22.2 No.107.1

Globally certified to C-ETL-us, SAA, TUV, VDE-AR-N 4105, VDE 0126, G83 / 2, CEI 021, IEC61727, EN50438 Protection class IP66, IP67, NEMA 6 high efficiency with 95.5% maximum.

Battery



Compitable with the AC Powerwall

*** 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.

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