

Maple Leaf Powerwall

All in one power wall solution!

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The Maple Leaf Powerwall is an advanced and highly reliable energy storage system, featuring cutting-edge technology for effortless control. With an impressive battery roundtrip efficiency of 95% and a cycle life surpassing 6000 cycles, it delivers top-notch performance. With secondary protection and NEMA 4X protection class, it ensures both safety and dependability. The system can be conveniently mounted on the floor or wall, making it a perfect fit for any space. Experience the power of our slim and modular design, delivering optimal energy solutions with ease.

Warranty



Product Certification



Key Features



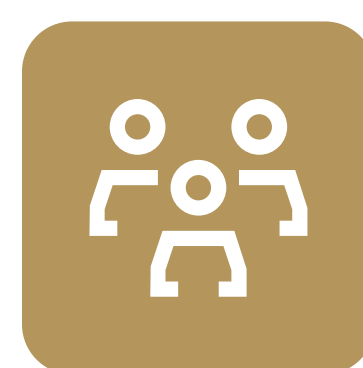
NEMA 4X - Outdoor rated

Improved by means of sophisticated multi-layered lamination, this technology guarantees



6000+ cycles

With an impressive battery roundtrip efficiency of 95% and a cycle life surpassing 6000 cycles, it delivers top-notch performance



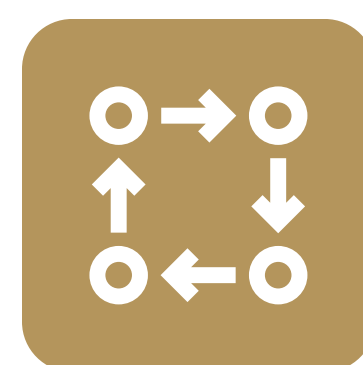
Monitoring

Real-time tracking and monitoring and remote diagnosis and control



AC/DC Coupling for new and existing systems

Versatile system designed to integrate into your existing system or operate as a new system



User Friendly

With its modular design it can be installed in as fast as 3hrs!



High module conversion efficiency

Customized for off-grid living, the panel comes pre-drilled for quick

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Tech & Specs

BATT-HV-5.0+ BMS-HV



10KW



15KW



20KW

Models

Nominal Voltage	102.4V	153.6V	204.8V
Operating voltage range	90- 116V	135 - 174V	180 - 232V
Rated Energy	10kWh	15kWh	20kWh
Usable energy	9kWh	13.5kWh	18kWh
Battery roundtrip efficiency	95%		
Maximum charge / discharge current [A]	54		
Cycle life (90% DOD)	6000 cycles		
Dimensions (W x H x D) [in / mm] -BMS	33.5 x 5.2 x 5.8 / 850 x 133 x 148		
Dimension(L*W*H)/ [in / mm]	33.5 x 23.6 x 5.8 / 850 x 600 x 148	33.5 x 35.4 x 5.8 / 850 x 900 x 148	33.5 x 47.2 x 5.8 / 850 x 1200 x 148
Dimensions (W x H x D) [in / mm] - Base	33.5 x 3.0 x 5.8 / 850 x 75 x 148		
Weight [lb / kg]	238 / 108	357 / 162	476 / 216

Basic Parameter

Recommend Depth of Discharge	90%
Altitude [ft / m]	9843 / 3000 MAX
IP Rating of Enclosure	NEMA 4X
Working Temperature [°F / °C]	Charge: -20°C~55°C Discharge:-20°C~55°C
Storage Temperature	-20°C~35°C
Humidity	0%~100%
Certification	UN38.3, UL1973, UL9540, UL9540A
Installation	Wall/floor mounted
Cooling/Heating	Natural convection/Heater

Caution



- Electric shock hazard.
- Do not connect in reverse or short circuit.
- Do not expose to excessive heat.
- Do not disassemble.
- Do not impact & crush.
- Risque de choc électrique.
- Ne vous connectez pas en marche arrière ou en court-circuit.
- Ne pas exposer à une chaleur excessive.
- Ne pas démonter.
- N'avez pas d'impact et écraser.



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Tech & Specs

INV-HYB-G2-7.6K-DC

INV-HYB-G2-7.6K-AC



Models

INV-HYB-G2-7.6K-DC

INV-HYB-G2-7.6K-AC

Output AC

Nominal AC power [VA]	7608	7608
Nominal AC voltage [V] / Nominal AC frequency [Hz]	240 / 50, 60	
Nominal AC current [A]	31.7	31.7
Displacement power factor	0.8 leading to 0.8 lagging	
Total harmonic distortion (THD, rated power)	< 3%	
Internal consumption (night) [W]	< 3	

General

Warranty	15 years
Dimensions (W x H x D) [in / mm]	33.5 × 17.9 × 5.8 / 850 × 455 × 148
Weight [lb / kg]	75 / 34
Topology	Transformerless
Communication interfaces	RS485, CAN, WIFI (optional) / 4G (optional), Dry Contact
IP Rating of Enclosure	NEMA 4X
Working Temperature [°F / °C]	Charge: -25°C~55°C Discharge:-25°C~55°C
Storage Temperature	-25°C~35°C
Humidity	0%~100%
Certification	UL1741, UL1741 SA, UL1699B, CSA - C22.2 No. 107.1-01, Canadian AFCl according to T.I.L. M-07
Emissions	FCC Part 15 Class B
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Models

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INV-HYB-G2-7.6K-AC

Batt Input

Battery type	Li-ion
Max Hourly Discharge [W]	7600
Maximum charge / discharge current [A]	54
Reverse-polarity protection	Yes
Cycle efficiency charging to discharging (PCS)	92.5%

Protections

AFCI	Yes
Rapid shutdown transmitter	Integrated PLC controller to RSD
Emissions	FCC Part 15 Class B
Grid connection standards	IEEE1547, Rule 21, Rule14 (HI)
Reverse-polarity protection	Yes
IP Rating of Enclosure	NEMA 4X
DC disconnection switch	Yes

Solar Input

Enabled	Yes	No
Maximum recommended PV power [W]	15200	-
Maximum DC voltage [V]	500	-
Norminal DC operating voltage [V]	360	-
Maximum input current [A]	A: 16 / B: 16 / C: 16	-
Maximum short circuit current [A]	A: 20 / B: 20 / C: 20	-
MPPT voltage range [V]	90-500	-
Start input voltage [V]	120	-

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Tech & Specs

INV-HYB-G2-7.6K-DC

INV-HYB-G2-7.6K-AC



Models

INV-HYB-G2-7.6K-DC

INV-HYB-G2-7.6K-AC

Solar Input

No. of MPP trackers,

Strings per MPP tracker

3, 1 / 1 / 1

-

DC disconnection switch

Yes



Models

BI-HYB-AC-DC

GRID INPUT

Nominal AC input voltage [V]

120 / 240

Nominal AC frequency [Hz]

50 / 60

Maximum AC input current [A]

160

OUTPUT TO MAIN PANEL IN GRID TIED OPERATION

Nominal AC output voltage [V]

120 / 240

Maximum AC input current [A]

160

OUTPUT TO MAIN PANEL IN BACKUP OPERATION

Nominal AC output voltage [V]

120 / 240

Imbalance compensation in backup operation [VA]

5000

Split phase imbalance output current [A]

41.7

Maximum AC output current [A]

126.8

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Tech & Specs

BI-HYB-AC-DC



BI-HYB-AC-DC

Models

INPUT FROM INVERTER

Maximum number of inverter inputs	4
Maximum AC power [W]	7600
Maximum continuous input current @240V [A]	31.7
Maximum inverter input AC circuit breaker [A]	40
Upgradability	Up to 4 x 40A circuit breaker

GENERATOR

Maximum AC power [W]	15000
Maximum continuous input current [A]	63
Auto generator start	yes
Maximum AC output current [A]	126.8

GENERAL

Dimensions (HxWxD) [in / mm]	27.8 x 17.7 x 5.9 / 706 x 450 x 151
Weight [lb / kg]	69.4 / 31.5
Energy meter accuracy	1%
Communication interfaces	RS485, CAN, Dry Contact
Cooling	Fan
Warranty	15 years

STANDARD

Safety	UL1741, CSA 22.2 NO.107
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