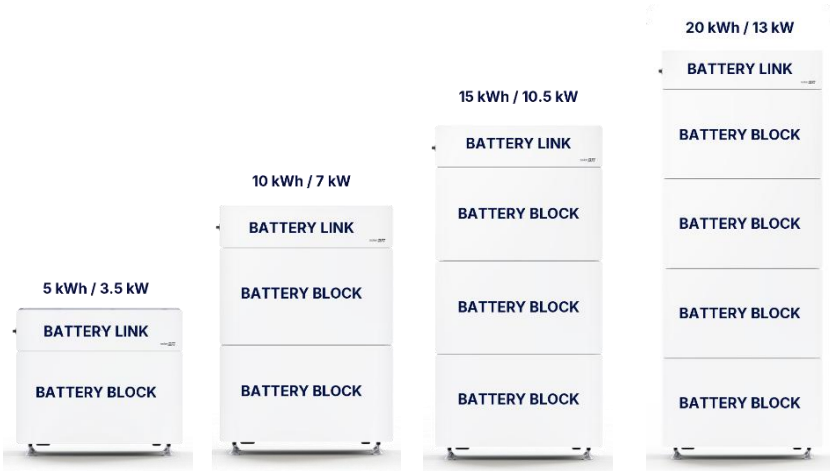
SolarEdge Nexis Battery **For North America**

Our incredibly powerful & scalable battery that delivers a modular solution, adapted to fit any home



SolarEdge Nexis Battery

For North America



Number of Battery Blocks	1	2	3	4	Units
ELECTRICAL SPECIFICATIONS					
Nominal Energy	5	10	15	20	kWh
Usable Energy[1]	5	10	15	20	kWh
Maximum Continuous Charge / Discharge Power[2]	3.5	7	10.5	13	kW
Peak Output Power (for 10 seconds)	5.3	10.5	14.5	14.5	kW
Operational DC Voltage Range	370 – 450				Vdc
Maximum DC Voltage	480				Vdc
Maximum Input / Output Current	9.5	19	28.5	35	A
AC Load Start Capability (LRA)	62	124	185	185	A
Peak DC Roundtrip Efficiency	92				%
Battery Stack Interface	Each Battery Stack must include a Battery Link				
Battery Block Type	LiFePo4				
Communication Interface to Inverter	Wired CAN				
INVERTER COMPATIBILITY					
SolarEdge Nexis Inverter	• Up to 4 Battery Blocks per single Battery Stack • Up to 16 Battery Blocks per Inverter (in up to 4 Battery Stacks)[3]				
ADDITIONAL FEATURES					
Battery Optimizer	Each Battery Block includes an independent power module, maximizing backup hours and efficiency				
Simple-Click™	Mechanical self-locking connection and electric connection for the effortless and secure installation of: • Battery Block to Battery Block • Battery Block to Battery Link • Battery Link to SolarEdge Nexis Inverter				
ThermoShield™	Designed to prevent cell-to-cell thermal runaway propagation				
STANDARD COMPLIANCE					
Cell	UL 1642; IEC 62619; UN38.3				
Battery	UL 1973; UL 9540; UN38.3; IEC 62619; UL 9540A; IEC 62477-1				
Emissions	FCC Part 15 Class B				
Insulation	Class I				
Warranty[4]	10 Years				
Expected Service Life[5]	15 Years				

(1) The battery's usable capacity is designed to be used for charging and discharging. The usable capacity includes a safety critical limit of 3% that safeguards the battery in case of a long-duration grid outage. An additional 4% capacity is maintained for battery electronic sustenance at night.
(2) Charge/discharge power may differ according to temperature range.
(3) 12 Battery Blocks in up to 3 Battery Stacks will be supported by Q3 2026. A 4th Battery Stack is pending firmware release.
(4) For warranty details, see the SolarEdge Nexis Battery limited product warranty.
(5) Based on nominal use case of one cycle/day at 0.25 C charging and 0.1 C discharging in Los Angeles climate conditions.

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Number of Battery Blocks		1	2	3	4	Units
MECHANICAL SPECIFICATIONS						
Battery Stack Connection		Simple-Click™ and 1'' Conduit entry				
Mounting		Floor or wall mount(6)				
Installation Area		Indoor or outdoor, including in direct sunlight(7)				
Ambient Operating Temperature Range		-4 to +131 / -20 to +55				˚F / ˚C
Storage Temperature Range (up to 12 months)(8)		+32 to +95 / 0 to +35				˚F / ˚C
Maximum Altitude		9842 / 3000				ft / m
Enclosure Protection		IP65 / TYPE 4X				
Flood Resistance		1 ft of water for up to 72 hours				
Cooling		Forced air and natural cooling				
Noise (at 1 m distance)	Nominal Operation	< 40				dBA
	Extreme Conditions	< 50				
Dimensions	Battery Link (H x W x D)	6.5 x 26.3 x 7.6 / 165 x 668 x 195				in / mm
	Battery Block (H x W x D)	14.7 x 26.3 x 7.6 / 374 x 668 x 195				
	Total Height	21.2 / 539	35.9 / 913	50.6 / 1287	65.3 / 1661	
Weight	Battery Link	35 / 15.8				lb / kg
	Battery Block	121.3 / 55				
	Total Weight	156 / 71	277 / 126	399 / 181	520 / 236	

(6) Wall mounting requires an additional mounting bracket (sold separately). Only one SolarEdge Nexis Wall Mount Bracket is required per Battery Stack. For details, see the SolarEdge Nexis Wall Mount Bracket Product Guide.
(7) When installed in direct sunlight, the Maximum Ambient Operating Temperature is 113 ˚F / 45 ˚C.
(8) Refer to the official SolarEdge transportation and storage guidelines.

Ordering Information

Product	Model Name	P/N
SolarEdge Nexis Battery Link	NX-LNK	NX-LNK-4B-A-01
SolarEdge Nexis Battery Block – Non-Domestic Content	NX-BLCK-5K-NB	NX-BLCK-5K-A-02
SolarEdge Nexis Battery Block – Domestic Content	NX-BLCK-5K-NB	UNX-BLCK-5K-A-02
SolarEdge Nexis Wall Mount Bracket		IAC-NX-BLCKWMB-01









SolarEdge is a global leader in smart energy technology. By leveraging world-class engineering capabilities and with a relentless focus on innovation, SolarEdge creates smart energy solutions that power our lives and drive future progress.

SolarEdge developed an intelligent inverter solution that changed the way power is harvested and managed in photovoltaic (PV) systems. The SolarEdge DC optimized inverter maximizes power generation while lowering the cost of energy produced by the PV system.

Continuing to advance smart energy, SolarEdge addresses a broad range of energy market segments through its PV, storage, EV charging, UPS, and grid services solutions.

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