



Schneider Inverter

For United States

Power your home with sunshine and save money on electricity bills. The Schneider Inverter can be upgraded with Boost batteries for home backup power or reduced energy consumption from the grid when electricity rates are high.

Flexible and Efficient Solar

- Supports solar arrays sizes from 3 to 15 kW
- Integrated MPPT optimizers for maximum power output
- Supports complex solar array orientations on multiple roof surfaces
- Monitor energy in real time from anywhere, with the easy to use Schneider Home app
- Compatible with Schneider Home: Simple, smart and sustainable solutions for home energy management
- 10 year warranty

Optional Home Backup Power

- Add the Schneider Boost battery to store solar energy and power your home when the grid is out
- Save money by using your battery when electricity rates are high
- Reliable backup power with the Inverter's 200% surge power capability
- High system efficiency with fewer steps of power conversion

Easy Installation

- Four channel MPPT optimization allows each string to be sized independently
- Wide voltage range for flexible string length
- Battery-ready (Refer to Schneider Boost)
- Easy commissioning with the eSetup app

Rapid Shutdown

- Compatible with APSmart PV module rapid shutdown devices
- NEC 690.12 compliant

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Electric

Preliminary

Inverter Specifications

Inverter for Solar-Only, Battery-ready

Solar PV Input

Max. PV Array Size	15.4 kWp
Optimizer Type	Integrated 4 channel MPPT
Optimizer MPPT Voltage Range	50 - 550 Vdc
Absolute Max Open Circuit Voltage (Voc)	600 Vdc
Startup Voltage	100 Vdc
Max. Input Operating Current (Imp)	12 A x 4
Max. Short Circuit Current (Isc)	16 A x 4
PV Array Configuration	Ungrounded

Battery Input

Battery Ready	Up to 3 Boost batteries (30 kWh). Refer to Boost Datasheet for System Specifications
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AC Output

Rated Grid Voltage ¹	120/240 V (L1, L2 and N)
Rated Continuous Current	32 A
Rated Continuous Output Power	7.68 kVA
Grid Frequency	60 Hz
Night-time Power Consumption	15 W
AC Overcurrent Protective Device	40 A

Conversion Efficiency

PV to Grid	97% (preliminary)
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General

Warranty	10 Years
PV Safety	AFCI, Reverse Polarity, Ground Fault Detection
Rapid Shutdown	Integrated Transmitter, compatible with APsmart RSD-S-PLC, RSD-D
Revenue Grade Metering	Yes
Communication	LAN / Wi-Fi
Cellular	Optional

Regulatory

Safety*	UL1741 (SA/SB/PCS/PVRSS), UL1699B
Grid Connection*	IEEE1547-2018, Rule 21, HECO Rule 14H, PREPA
Emissions*	FCC Part 15 Class B
Seismic*	AC 156

Installation Specifications

Operating Temperature Range	-40°F to 140°F (-40°C to 60°C) Thermal de-rating >104°F (40°C)
Storage Temperature	-40°F to 185°F (-40°C to 85°C)
Enclosure Type	NEMA type 4
Operating Humidity	0 to 100% Non-Condensing
Max Altitude	13100 ft (4000 m)
Dimensions (W x H x D)	25.6 x 22.4 x 6.5 in (650 x 570 x 165 mm)
Weight	88 lbs (40 kg)
Conduit & Max Wire Size	AC Grid Port 1 1/4 in / 4 AWG, PV Port 1 in / 8 AWG, Communications Port 1 in
Part Number	HY8K1NA1

1. Neutral required. 208 V not supported at this time

* Pending

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