



Schneider Boost

For United States

Power your home with sunshine, and protect your home's power supply when the grid is out. Schneider Boost automatically powers your home during an outage and when electricity rates are high. Power critical appliances or back up your entire home.

High Performance

- 10 kWh capacity, expandable to 30 kWh
- 7.7 kW with 2x surge for more reliable backup power
- Flexible solar integration & optimization - DC or AC Coupled
- Supports direct input of solar arrays sizes from 3 to 15 kW
- High system efficiency with fewer steps of power conversion
- Recharge from solar, grid, or generator
- Whole home or partial home backup power
- 10 year warranty

Smarter Energy Management

- Save money by using your battery when electricity rates are high
- Automatically power your home during a grid outage
- Extend battery runtime with optional load control
- Real-time energy monitoring with the Schneider Home app

Schneider Home

Schneider Home offers a simple, smart, and sustainable solution to manage energy, tailored to your needs.

- Schneider Inverter
- Schneider Boost 10 kWh battery
- Schneider Pulse smart panel & backup controller
- Schneider Charge EV charger
- Schneider Home app



3 Boost 10 kWh batteries stacked under Schneider Inverter

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System Specifications - Inverter and Boost Battery

Battery Configuration			
Battery Energy Capacity	10 kWh	20 kWh	30 kWh
Battery Qty	1	2	3
Charge / Discharge Power - Nominal	5 kVA	7.68 kVA	7.68 kVA
Discharge Power - Backup Mode	7.68 kVA continuous / 15.4 kVA peak (10 seconds)		
Battery Voltage - Nominal / Max	422 / 468 V		
Required for Backup Power	Boost Battery, Inverter, Pulse Backup Controller		
# of Batteries	Max Qty 3 (30 kWh)		
Battery Charging Sources	DC or AC Coupled Solar, Grid, Standby Generator		
Solar PV Input			
Max PV Array Size	15.4 kWp		
Optimization Type	Integrated 4 Channel MPPT		
Optimization MPPT Voltage Range	50 - 550 Vdc		
Absolute Max Open Circuit Voltage (Voc)	600 Vdc		
Max Input Operating Current (Imp)	12 A X 4		
Max Input Short Circuit Current (Isc)	16 A (12.8 A PV Module STC)		
PV Array Configuration	Ungrounded		
AC Output			
Rated Continuous Output Power	7.68 kVA		
Peak Output Power - Backup	15.4 kVA (10 seconds)		
Rated Grid Voltage ¹	120/240 V (L1, L2 and N)		
Grid Frequency	60 Hz		
Rated Continuous Current	32 A		
Peak Output Current - Backup	64 A (10 seconds)		
AC Overcurrent Protective Device	40 A		
Night-time Power Consumption	15 W		
Conversion Efficiency			
PV to Grid	97% (preliminary)		
General			
Warranty	<ul style="list-style-type: none"> • Inverter - 10 Years • Battery² - 10 years / 70% Capacity 		
AC Coupled PV Compatibility	11.5 kW		
PV Safety	AFCI, Reverse Polarity, Ground Fault Detection		
Rapid Shutdown	Integrated Transmitter, compatible with AP Smart RSD-S-PLC, RSD-D		
Revenue Grade Metering	Yes		
Communication	LAN / Wi-Fi		
Cellular	Optional		
Regulatory			
Safety*	UL1741 (SA/SB/PCS/PVRSS), UL1699B, UL9540, UL1973		
Grid Connection*	IEEE1547-2018, Rule 21, HECO Rule 14H, PREPA		
Emissions*	FCC Part 15 Class B		
Seismic*	AC 156		

1. Neutral required with or without battery, 208 V not supported at this time

2. ≥70% Capacity for the earlier of 10 Years, or 30 MWh throughput

* Pending

Preliminary

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Installation Specifications	Inverter	Boost Battery
Operating Temperature Range	-40°F to 140°F (-40°C to 60°C) Thermal de-rating >104°F (40°C)	Recommended 32 to 86°F (0 to 30°C) Max 5 to 122°F (-15 to 50°C)
Storage Temperature	-40°F to 185°F (-40°C to 85°C)	5 to 122°F (-15 to 50°C)
Enclosure Type	NEMA type 4	NEMA type 4
Operating Humidity	0 to 100% Non-Condensing	0 to 100% Non-Condensing
Max Altitude	13100 ft (4000 m)	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)	25.6 x 51.2 x 5.1 in (650 x 1300 x 130 mm)
Weight	88 lbs (40 kg)	279 lb (127 kg)
Equipment Mounting	Wall	Wall, Floor
Mounting Locations	Inverter & Battery co-located or separate	
Conduit & Max Wire Size	<ul style="list-style-type: none">• AC Grid Port 1 1/4 in / 4 AWG• PV Port 1 in / 8 AWG• Battery Port 1 in / 8 AWG• Communications Port 1 in	Inverter Port 1 in / 8 AWG
Part Numbers	HY8K1NA1	BAT10K1

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