Schneider Home Solar and Energy Storage Solutions

Schneider Pulse, Boost, and Inverter

For USA

se.com

Life Is On | Schneider Electric

Reimagine Home Energy

Schneider Home offers an easier solution for the increasingly complex needs of solar and energy storage installations.

Higher System Efficiency for Bigger Savings

When DC-coupled, Schneider Inverter and Boost battery offer efficient battery charging from solar for better electricity bill savings. Schneider Inverter's four integrated MPPT channels support complex solar array orientations on multiple roof surfaces, maximizing the solar power output.

Secure Power When It's Needed the Most

With the Inverter's 7.7 kW rating, 15.4 kW surge power capability, and 10 to 30 kWh of Boost batteries, homeowners can count on our solutions for backup power. Backup enabled systems are installed with either the Pulse CSED (Combination Service Entrance Device) with Backup Control Module or the Pulse Backup Controller. Refer to the configurations on page 4 for more information.

Slim Design

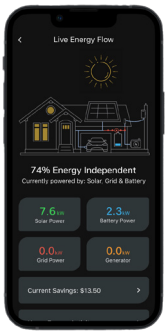
At only 26" wide, 5" deep, and the ability to stack front-to-back, Boost battery uses less wall space than most other batteries. The Inverter can be installed above the Boost for even more space savings.

Pair with Schneider Pulse

Get Pulse CSED with Backup Control Module or the Pulse Backup Controller for backup power. With configurable panels for backup or non-backup and optional load control, Pulse delivers more flexibility while simplifying the wiring and installation.

Schneider Home App

Schneider Home makes homes efficient, resilient, and sustainable with minimal effort. Features such as Away Mode make it easy to save on electricity bills. Homeowners can also select what to power during grid outages to extend battery runtime.



Schneider Boost & Inverter

- 10 kWh battery, expandable to 30 kWh
- Floor-mounted or wall-mounted
- Slim design makes it easy to install with less wall space
- Option to stack batteries front-to-back
- 7.7 kW continuous power
- 15.4 kW surge power
- High system efficiency with DC-coupled solar

Schneider Pulse CSED

- 200 A electrical panel with Backup Control Module
- Consolidates 5 boxes into 1 enclosure: meter, main panel, sub panel, Backup Controller, and load control
- Reduces Installation time and saves cost
- Integrated whole home surge protection device with 50 kA rating
- Compatible with industry-leading QO circuit breakers

OR

Schneider Pulse Backup Controller

- Standalone backup controller
- Integrated 12-space load center for backup or non-backup sub panel
- Compatible with industry-leading QO circuit breakers

Configurations

Schneider Home provides flexible system design, meeting your customers' unique energy needs. See below for bill of materials for each application.

Backup Power with Pulse Backup Controller

Solar | Energy Storage | Backup Power | Load Control (Optional)

Design notes:

- Option to use integrated 12-space load center as a backup or non-backup sub-panel
- Compatible with QO breakers
- Non-MPU / use in conjunction with existing panel

Bill of Materials	Part Number	Quantity
Required Products		
Boost battery, 10 kWh each	BAT10K1	1 to 3
Inverter	HY8K1NA1	1
Pulse Backup Controller	BC200A1NAWM	1
For Optional Load Control (Both SEM and Control Relays are installed in the same enclosure)		
Schneider Energy Monitor (SEM)	SEMONITOR	1
Control Relays	See page 5	See page 5
Accessories		
2 battery stack kit	BA10KNA2S	1 for front-to-back stacking
3 battery stack kit	BA10KNA3S	1 for front-to-back stacking
Backup Controller Aux CTs	CT200AXNA1*	2 required if any loads on the grid side of Backup Controller and if SEM is not installed

* Schneider box quantity 20 units

Backup Power with Pulse CSED with Backup Control Module

For California, Arizona, and Nevada

Solar | Energy Storage | Backup Power | Load Control (Optional)

Design notes:

- Configurable for whole-home or partial home backup
- No load relocations needed
- Compatible with QO breakers, with 36 usable spaces (18+18)
- MPU required

Bill of Materials	Part Number	Quantity
Required Products		
Boost battery, 10 kWh each	BAT10K1	1 to 3
Inverter	HY8K1NA1	1
Pulse CSED smart panel	CC18X18M200PCZ	1
For Optional Load Control		
Control Relays	See page 5	See page 5
Accessories		
2 battery stack kit	BA10KNA2S	1 for front-to-back stacking
3 battery stack kit	BA10KNA3S	1 for front-to-back stacking

Battery Energy Storage

Bill of Materials	Part Number	Quantity
Required Products		
Boost battery, 10 kWh each	BAT10K1	1 to 3
Inverter	HY8K1NA1	1
Schneider Energy Monitor (SEM)	SEMONITOR	1
Accessories		
2 battery stack kit	BA10KNA2S	1 for front-to-back stacking
3 battery stack kit	BA10KNA3S	1 for front-to-back stacking

Design notes:

- Solar and energy storage for grid tied energy management, no backup power

Solar Only

Bill of Materials	Part Number	Quantity
Required Products		
Inverter	HY8K1NA1	1

Control Relays

Manage and control the home's loads at the branch circuit level.

Load Control Relays	
Control Relay 120 V 20 A Dual	QO200PWX120
Control Relay 240 V 30 A	QO200PWX240
Control Relay 240 V 60 A	QO260PWX240

Design notes:

- Control Relays are selected according to the branch circuit to be controlled.
- Check panel spacing, as relays must be wired in series with the breaker for each branch circuit.
- 20 A and 30 A relays take up to 2 spaces plus the connected breaker spaces.
- 60 A relay takes up to 4 spaces plus the connected breaker spaces.

Rapid Shutdown Accessories

For DC-Coupled solar, the following accessories are available for rapid shutdown requirements of NEC 690.12 and with PVRSS certification.

3rd party accessories	
Rapid Shutdown Switch (E-Stop)	1 pole initiator switch required for all systems with Rapid Shutdown
APSmart RSD Device	1 per solar module for DC-connected solar (APSmart Part Number RSD-S-PLC)

Digital Tools

Explore digital tools that support your Schneider Home journey as an installer.

Certification

1 Training and Resources

mySchneider

Register for mySchneider and join the Schneider Home Installer Program. Take the Schneider Home Certification training to become a Certified Installer. Certification is required to use the eSetup app to commission the Schneider Boost and Inverter.

Commission

2 Energy Monitor Commissioning

Sense Pro Square D Edition

If your system includes the Schneider Energy Monitor (SEM) or Pulse CSED, commission with the Sense Pro Square D Edition app first before commissioning the Schneider Home system with the eSetup app.

3 Inverter and Battery Commissioning

eSetup

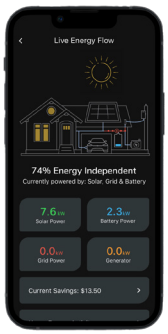
Use your mySchneider credentials to access the eSetup app to commission the Schneider Boost, Inverter, and Pulse Backup Controller. Completion of the Schneider Home Certification training is required to use the eSetup app.

For Homeowners

Energy Monitoring and Control

Schneider Home

Schneider Home is the all-in-one app designed for homeowners to monitor, control, and automate their home's electric ecosystem. Please remind them to download the Schneider Home app.



Monitoring

4 Install Base Management

Installer Portal

Use your mySchneider credentials to access the Installer Portal to monitor the performance and troubleshoot issues of your Schneider Home sites remotely.

Resources & Links

Find resources necessary for your jobs.

1 Training and Resources

Join Installer Program and start Certification training (for the first time) >

Access mySchneider >

Installer Program

mySchneider

2 Energy Monitor Commissioning

Download Sense Pro Square D Edition for iOS >

Download Sense Pro Square D Edition for Android >

Sense Pro for iOS

Sense Pro for Android

3 Inverter and Battery Commissioning

Download eSetup for iOS >

Download eSetup for Android >

eSetup

4 Install Base Management

Access Installer portal

Installer Portal

For Homeowners

Energy Monitoring and Control

Download Schneider Home for iOS >

Download Schneider Home for Android >

Schneider Home (iOS & Android)

Documents and Manuals

Schneider Boost (BAT10K1) >

Schneider Inverter (HY8K1NA1) >

Schneider Pulse CSED (CC18X18M200PCZ) >

Schneider Pulse Backup Controller (BC200A1NAWM) >

SEM / Schneider Energy Monitor (SEMONITOR) >

Control Relay 120 V 20 A Dual (QO200PWX120) >

Control Relay 240 V 30 A (QO200PWX240) >

Control Relay 240 V 60 A (QO260PWX240) >

Boost (BAT10K1)

Inverter (HY8K1NA1)

Pulse CSED (CC18X18M200PCZ)

Backup Controller (BC200A1NAWM)

SEM (SEMONITOR)

Control Relay 20 A (QO200PWX120)

Control Relay 30 A (QO200PWX240)

Control Relay 60 A (QO260PWX240)

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