



/ BU-SLCT-US-50



SMA Backup Select-US

Automatic backup switch with integrated breaker panel for your critical loads

Unmatched flexibility

- Seamlessly integrates with SMA Sunny Boy Smart Energy hybrid inverters
- Protects the most critical circuits automatically - five 15 A / 120 V circuits and two 20 A / 120 V circuits
- Customizable switching timing between backup and grid power to match your needs
- NEMA 3R weatherproof rating for flexibility in install location

Easy Installation & Setup

- Flexible installation with four-sided conduit entries and straightforward wiring
- Commission quickly using the SMA 360° mobile app
- Meets code requirements for indoor installations with SMA RSI switch

Transform Your SBSE-US-50 System

- Add automatic backup power capability to your existing hybrid inverter
- Keep 7 essential household circuits powered during outages
- No manual switching required - operates automatically when you need it most

Ensure seamless energy security with SMA Backup Select—an affordable backup solution.

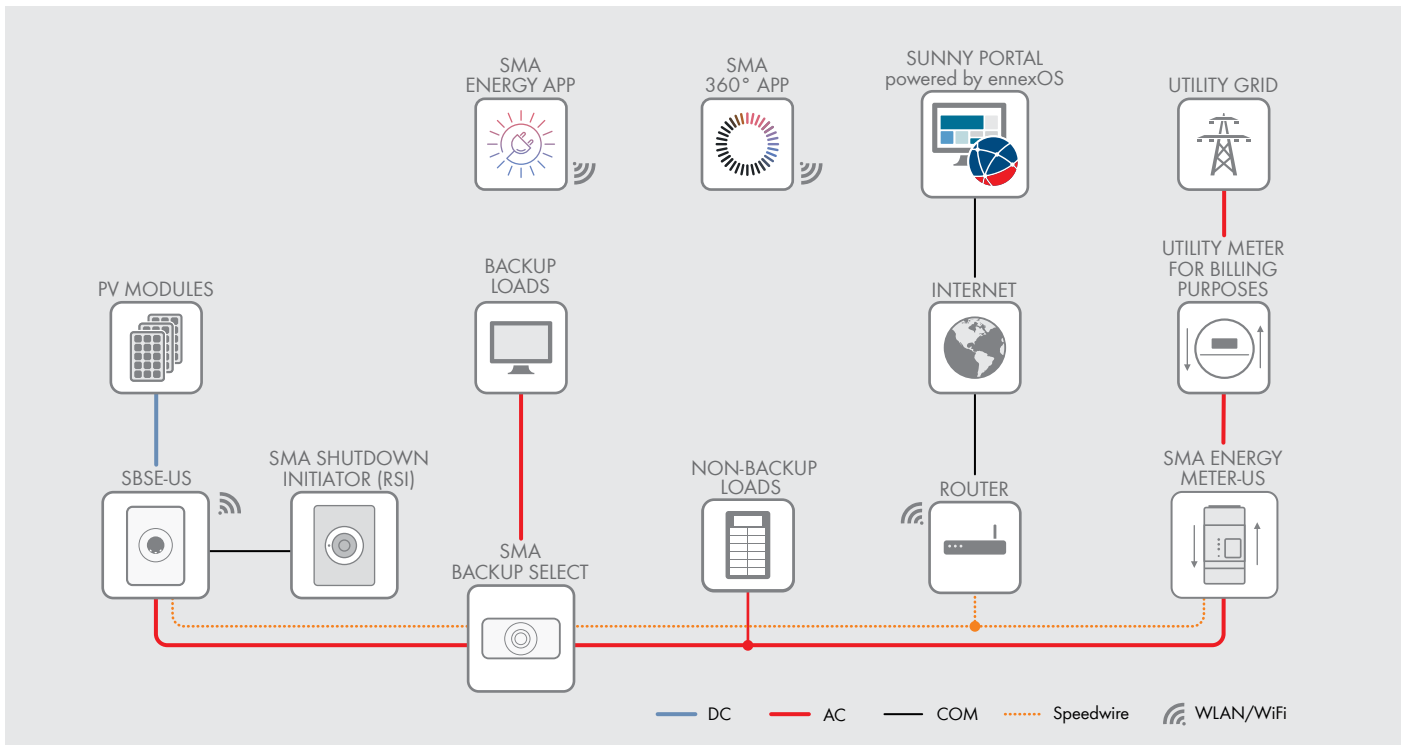
Designed to pair with the Sunny Boy Smart Energy, SMA Backup Select provides reliable partial backup power with or without a battery, keeping your essential home loads running while the sun is shining and at night with a battery.

This single-phase automatic backup switch includes an integrated pre-wired breaker panel, offering a cost-effective and flexible power source during grid outages.

With a 7 single-pole breaker backup box and power ratings of 3,840 W¹ and 5,760 W², SMA Backup Select is an ideal solution for energy security.

¹ SMA Backup Select offers 3,840W of power for the Sunny Boy Smart Energy 3.8-7.7kW.

² SMA Backup Select offers 5,760W of power for the Sunny Boy Smart Energy 9.6 and 11.5kW.



Technical data	SMA Backup Select SBSE 3.8 – 7.7	SMA Backup Select SBSE 9.6 – 11.5
Operation		
Input Voltage	240 (120 V)	
AC Frequency	60 Hz	
Max. Rated output current	32 A	48 A
Backup Power		
Rated power (120 V, 60Hz)	3840 W	5760 W
AC Voltage output	120 V	
Backup AC frequency	60 Hz	
Activation mode	Automatic	
Switchover times (adjustable parameters)		
Interruption of load supply during the transition from automatic backup to feed-in operation	1 s to 60 s (default: 5 s)	
Minimum duration of grid fault for start of automatic backup operation	1 s to 600 s (default: 5 s)	
Compatible with the following inverters		
Sunny Boy Smart Energy	SBSE 3.8 - 7.7 - US-50	SBSE 9.6 - 11.5 - US-50
General Data		
Dimensions (W/H/D)	19.9 x 10.2 x 8.9 in (506 x 260 x 226 mm)	
Weight	13.4 lb (6.09 kg)	
Integrated Subpanel	Subpanel for 7 circuit breakers	
Installation location	Indoor/Outdoor	
Mounting	Wall bracket	
Environmental protection rating	NEMA 3R	
Operating temperature range	-40°F to +131°F (-40°C to +55°C)	
Storage temperature range	-40°F to +158°F (-40°C to +70°C)	
Maximum altitude above sea level	3000 m	
Relative humidity	0% to 100%	
Warranty	2 years	
Type Designation	BU-SICT-US-50	

Specifications at nominal conditions Last revised: 10/2025