

SimpliPhi AccESS Outback Energy System



Price: CAD \$37,900.00 - CAD \$43,800.00

Product Categories: [Residential ESS Units](#), [Back-Up Systems](#), [Batteries](#), [Lithium](#), [On The Roof](#), [Residential Solar](#), [Shop](#)

Product Tags: [access outback](#), [access outback canada](#), [battery system](#), [canada](#), [ess](#), [home energy system](#), [lithium](#), [lithium battery system](#), [lithium ess](#), [phi](#), [pre-wired](#), [simpliphi access](#), [simpliphi access outback](#), [simpliphi access outback canada](#), [simpliphi canada](#), [simpliphi ess](#)

Product Page:

<https://www.modernoutpost.com/product/simpliphi-access-outback-edition/>

Product Variants

- SimpliPhi AccESS Outback Energy System - AC Coupled - Grid Tied ()
- SimpliPhi AccESS Outback Energy System - DC Coupled - Dual 80A Solar

Controllers ()

Product Summary

Looking for an elegant, affordable lithium-based residential energy system for your home or cottage? You've found it. SimpliPhi has built the AccESS energy storage system around the Outback Radian inverter platform to provide a hybrid grid-interactive system in a turnkey, pre-wired package. Whether you want grid-tie management, or off-grid independence, the SimpliPhi AccESS system provides the foundation you want.

Product Description

Looking for an elegant, affordable lithium-based residential energy system for your home or cottage? You've found it. SimpliPhi has built the AccESS energy storage system around the Outback Radian inverter platform to provide a hybrid grid-interactive system in a turnkey, pre-wired package. Whether you want grid-tie management, or off-grid independence, the AccESS Outback system provides the foundation you want.

SimpliPhi your power system design with AccESS for a fully integrated energy storage & management solution with OutBack Power equipment.

- AccESS power security with safe, reliable, non-hazardous and efficient energy storage
- AccESS any power generation source with intelligent management
- AccESS your own power when and where you need it - inside or outside your home or business

Standard AccESS Outback Features

- Internal transfer switch automatically disconnects from the grid during power outages and provides standby power for critical circuits
- Outdoor rated enclosure can be free-standing, or pad-mounted
- Advanced LFP batteries with

a 10,000 cycle / 10-year warranty - 98% round trip efficiency - Remote monitoring by web browser or mobile device app - No cobalt , thermal regulation, cooling, or risk of fire - Extended operating temperature - Solar MPPT for DC-coupled or off-grid installations - Automatic Generator control for additional standby power

Applications

SIA (Standard Interconnection Agreement) customers:

ESS allows for solar PV power to be self-consumed in a DC Coupled system.

AC Coupled systems provide a backup power source, and are compatible with both string inverters and micro-inverters.

NEM (Net Energy Metering) customers:

Add standby power to an existing net-metered solar array or peak-shaving to a new net-metered solar array.

Off-grid customers:

ESS with 8 kW Solar MPPT combines power generation and energy management in a single package.

Disaster recovery customers:

Reliable, 98% efficient, non-toxic backup power in the event of a power outage.

Testimonials

“After Hurricane Maria hit PR, SimpliPhi made our transition to solar energy a breeze. Now our guesthouse is always energized and environmentally friendly”

Harmony Guesthouse, Puerto Rico – August 2018

Information Downloads

[Click to Download PDF Specification Sheet](#) [Click to Download PDF Product Brochure](#)

SimpliPhi AccESS Outback Specifications

Inverter... Outback Power Radian GS8048A

Application : On or Off-Grid

AC Connections : 1 Grid Port, 1 Generator Port

AC Output : 33.3 A (240 VAC), 60 Hz

Rated Output Power : 8 kW Continuous

Max Output Charging Current : 115 ADC

CEC Weighted Efficiency : 92.5%

OutBack GS Load Center : GSLC175-PV-120/240

Battery... SimpliPhi Power (x4) PHI 3.8 kWh-48V

UL Rating : ETL Certified to UL 1973 Standard

Rated kWh Capacity @ C/2 : 15.2 kWh

Usable kWh Capacity @ 80% DoD : 12.16 kWh

Max Combined Output Power : 7.6 kWh

Max Combined Charge Current : 150 ADC

Charging Temperature : 32°F to 120°F (0°C to 49°C)

Depth of Discharge : up to 100% DoD (warranty geared to 80% DoD)

Round Trip Efficiency : 98%

Cycle Life : 10,000+ (@ 80% DOD)

Warranty Period : 10 years

AC Coupled AccESS...

Solar PV via Select Grid-Tie Inverter

Max Connected PV Power 6 kW

Max Output / Charge Current 25 AAC @ 240 VAC

Max Operating PV Array Voltage 240 VAC

Max Open Circuit PV Array Voltage

DC Coupled AccESS...

Solar PV : (x2) FLEXmax 80 charge controllers

Max Connected PV Power 8 kW

Max Output / Charge Current 160 ADC

Max Operating PV Array Voltage 145 VDC

Max Open Circuit PV Array Voltage 150 VDC

Other Features...

Internet Connected Monitor/Command OPTICS RE

Automatic Generator Start Two-wire automatic generator start; safety relay must be used (not included)

System Display & Controller MATE3s

General...

Dimensions (W x H x D) : 29.5" W x 76"H (w/feet) x 20" D / 75 cm W x 193 cm H x 51 cm D

Weight : 600 lb (272.16 kg) (w/out batteries)

Enclosure Rating : NEMA 3R Outdoor rated

Operating Temperature : -4°F to 122°F (-20°C to 50°C)

Mounting : Free-standing or Pad-mounted

Warranty Period : 2 years

Specifications are typical/nominal. Subject to change without notice.

SimpliPhi Advanced Energy Storage

SimpliPhi Power designs and manufactures efficient, non-toxic and enduring energy storage and management systems that utilize lithium ferro phosphate (LFP). Based in California, SimpliPhi combines non-hazardous LFP chemistry with its proprietary cell and battery architecture, power electronics, battery management system (BMS) and manufacturing methods to create safe, reliable, durable and highly scalable on-demand power solutions. Available for the residential, commercial, military and emergency response markets, SimpliPhi storage solutions have been rigorously tested and passed operational performance requirements by the U.S. Army and Marine Corps. Integral to all SimpliPhi solutions is a proprietary management system that further optimizes the life-cycle, round-trip efficiency rate, performance and durability of its batteries. SimpliPhi PHI 3.8 kWh 48V 60 Amp batteries are Certified to UL 1973 Standard.

Product Attributes

- Dimensions: 2 × 2 × 2 cm
- Weight: 90 kg
- Integration Option: AC Coupled - Grid Tied, DC Coupled - Dual 80A Solar Controllers

Product Gallery

