

# SIMPLIPHI YOUR POWER WITH **AccESS** to a fully integrated energy storage and management solution

- 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 FEATURES

Pre-programmed ESS for backup power, peak-shaving, and self-consumption of solar PV

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 thermal regulation, cooling, or risk of fire

Extended operating temperature

## OPTIONAL FEATURES

Solar MPPT for DC-coupled or off-grid installations

Automatic Generator control for additional standby power

Wireless gateway for cell modem or WiFi connection



Manufactured in the United States

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 assembly methods to create safe, reliable, durable and highly scalable on-demand power solutions. Available for the residential, commercial, military and emergency response markets, SimpliPhi Power storage solutions have been rigorously tested and passed operational performance requirements by the U.S. Army and Marine Corp. Integral to all SimpliPhi Power solutions is a proprietary management system that further optimizes the life-cycle, round-trip efficiency rate, performance and durability of its batteries. SimpliPhi Power storage system components are UL certified and the PHI 3.4 kWh 24V and 48V 60 Amp batteries are ETL Certified, UL 1973 Standard.

**Power. On Your Terms.™**



420 Bryant Circle | Ojai, CA 93023, USA | +1 (805) 640-6700 | [SimpliPhiPower.com](http://SimpliPhiPower.com)

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## APPLICATIONS

SIA (Standard Interconnection Agreement) customers: ESS allows for solar PV power to be self-consumed, curtailing PV production to prevent the export of power to the grid. Compatible with both string inverters and micro-inverters.

NEM (Net Energy Metering) customers: add standby power and peak-shaving to a new or existing net-metered solar array

Off-grid customers: ESS with 4.8 kW Solar MPPT combines power generation and energy management in a single package

## SPECIFICATIONS

### AccESS I

### AccESS II

#### General

Size	H 72 x D 16 x W 28 in (w/feet) (H 183 x D 40.7 x W 71.2 cm)	H 72 x D 16 x W 28 in (w/feet) (H 183 x D 40.7 x W 71.2 cm)
Weight	10.2 kWh - 701.3 lb / 318.10 kg	6.8 kWh - 701.3 lb / 318.1 kg
Environment	NEMA 3R Outdoor rated	NEMA 3R Outdoor rated
Operating Temperature	-4 to 122 °F   -20 to 50 °C	-4 to 122 °F   -20 to 50 °C
Mounting	Free-standing or pad-mounted	Free-standing or pad-mounted

#### Inverter

Schneider Electric	Conext XW+ 6848 NA	Conext XW+ 6848 NA
Application	On / Off Grid	On / Off Grid
AC Connections	1 Grid Port, 1 Generator Port	1 Grid Port, 1 Generator Port
AC Output	30 A, 120/240 V AC, 60 Hz	30 A, 120/240 V AC, 60 Hz
Rated / Peak Power	6.8 / 8.5 kW (10.2 kWh Model)	5.5 / 7 kW (6.8 kWh Model)
Max Charge Rate	60 A AC, 7.2 kW	60 A AC, 7.2 kW
CEC Weighted Efficiency	92.50%	92.50%

#### Battery

SimpliPhi Power	PHI 3.4 kWh 48VDC 60 Amp (x3)	PHI 3.4 kWh 48VDC 60 Amp (x2)
UL Rating	ETL Certified UL 1973 Standard	ETL Certified UL 1973 Standard
Capacity	10.2 kWh	6.8 kWh
Max Depth-Of-Discharge	100%	100%
Round Trip Efficiency	98%	98%
Cycle Life	10,000	10,000
Warranty Period	10 years	10 years

#### Solar (select models)

Schneider Electric Charge Controller	Conext MPPT 80 600	Conext MPPT 80 600
Output Power, Max	4.8 kW	4.8 kW
Charge Current, Max	80 A DC	80 A DC
PV Array Voltage, Operating	195 to 550 V DC	195 to 550 V DC
PV Array Voltage, Max Open Circuit	600 V DC	600 V DC

#### Options

Schneider Electric	Conext AGS	Conext AGS
Wireless Gateway	Conext ComBox	Conext ComBox

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