

# 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 up to 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

## 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 3.5 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

|                        |  |  |
|------------------------|--|--|
| Dimensions (W x H x D) | 28 x 72 x 16 in (w/feet)<br>(71.2 x 183 x 40.7 cm) | 28 x 72 x 16 in (w/feet)<br>(71.2 x 183 x 40.7 cm) |
| Weight                 | 10.5 kWh - 701.3 lb (318.10 kg)                    | 7.0 kWh - 701.3 lb (318.10 kg)                     |
| Enclosure Rating       | 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 (10.5 kWh Model) | 5.5 / 7 kW (7.0 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 3.5 kWh 48VDC 60 Amp (x3)  | PHI 3.5 kWh 48VDC 60 Amp (x2)  |
| UL Rating                         | ETL Certified UL 1973 Standard | ETL Certified UL 1973 Standard |
| Rated kWh Capacity @ C/2          | 10.5 kWh                       | 7.0 kWh                        |
| Depth of Discharge <sup>1,2</sup> | up to 100%                     | up to 100%                     |
| Round Trip Efficiency             | 98%                            | 98%                            |
| Cycle Life                        | 10,000+ (@ 80% DOD)            | 10,000+ (@ 80% DOD)            |
| Warranty Period                   | 10 years                       | 10 years                       |

#### Solar (select models)

|   |                    |                    |
|---|--------------------|--------------------|
| Schneider Electric Charge Controller <sup>3</sup> | Conext MPPT 80 600 | Conext MPPT 80 600 |
| Output Power, Max                                 | 4.8 kW             | 4.8 kW             |
| Charge Current, Max                               | 80 A DC            | 68 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 |

Notes: 1.) Max operating conditions. Refer to warranty for recommended conditions.  
2.) Specifications are typical/nominal. Subject to change without notice.

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