

SIMPLIPHI YOUR POWER WITH **AccESS** to a fully integrated energy storage & management solution with Schneider Electric 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 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

System monitoring by system control panel or Combox with remote system monitoring by web browser or mobile device app

No cobalt, thermal regulation, cooling, or risk of fire

Extended operating temperature

System control panel or Combox

OPTIONAL FEATURES

Solar MPPT for DC-coupled or off-grid installations

Automatic Generator control for additional standby power



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 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 3.5 kWh 48V 60 Amp batteries are Certified to UL 1973 Standard.

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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

Disaster recovery customers: Reliable, 98% efficient, non-toxic backup power in the event of a power outage

SPECIFICATIONS

ACCESS w/4 x PHI 3.5

ACCESS w/3 x PHI 3.5

ACCESS w/2 x PHI 3.5

General

Dimensions (W x H x D)	29.5 x 76 x 20 in (w/feet), (75 x 193 x 51 cm)	29.5 x 76 x 20 in (w/feet), (75 x 193 x 51 cm)	29.5 x 76 x 20 in (w/feet), (75 x 193 x 51 cm)
Weight	700 lb (317.52 kg) (w/o batts)	700 lb (317.52 kg) (w/o batts)	700 lb (317.52 kg) (w/o batts)
Enclosure Rating	NEMA 3R Outdoor rated	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)	-4 to 122 °F (-20 to 50 °C)
Mounting	Free-standing or pad mounted	Free-standing or pad mounted	Free-standing or pad mounted

Inverter

Schneider Electric	Conext XW+ 6848 NA	Conext XW+ 6848 NA	Conext XW+ 6848 NA
Application	On / Off Grid	On / Off Grid	On / Off Grid
AC Connections	1 Grid Port, 1 Generator Port	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	30 A, 120/240 V AC, 60 Hz
Rated Power ¹	6.8 kW	6.8 kW (5.25 kW ¹)	6.8 kW (3.5 kW ¹)
Max Charge Rate	60 A AC, 7.2 kW	60 A AC, 7.2 kW	60 A AC, 7.2 kW
CEC Weighted Efficiency	92.50%	92.50%	92.50%

Battery

SimpliPhi Power	PHI 3.5 kWh 48VDC 60 Amp	PHI 3.5 kWh 48VDC 60 Amp	PHI 3.5 kWh 48VDC 60 Amp
UL Rating	ETL Certified UL 1973 Standard	ETL Certified UL 1973 Standard	ETL Certified UL 1973 Standard
Rated kWh Capacity @ C/2	14 kWh	10.5 kWh	7.0 kWh
Depth of Discharge ²	up to 100%	up to 100%	up to 100%
Round Trip Efficiency	98%	98%	98%
Cycle Life	10,000+ (@ 80% DOD)	10,000+ (@ 80% DOD)	10,000+ (@ 80% DOD)
Warranty Period	10 years	10 years	10 years

Solar (select models)

Schneider Electric Charge Controller	Conext MPPT 80 600	Conext MPPT 80 600	Conext MPPT 80 600
Output Power, Max	4.8 kW	4.8 kW	4.8 kW
Charge Current, Max	80 A DC	80 A DC	68 A DC
PV Array Voltage, Operating	195 to 550 V DC	195 to 550 V DC	195 to 550 V DC
PV Array Voltage, Max Open Circuit	600 V DC	600 V DC	600 V DC

System Monitoring

System Monitoring	Conext ComBox ³ or System Control Panel	Conext ComBox ³ or System Control Panel	Conext ComBox ³ or System Control Panel
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Options

Schneider Electric AGS	Conext AGS	Conext AGS	Conext AGS
Schneider Electric Charge Controller	Conext MPPT 80 600	Conext MPPT 80 600	Conext MPPT 80 600

- Notes:
- 1. When operating from battery, the maximum inverter power is half the battery capacity (kWh/2h).
 - 2. Max operating conditions. Refer to Warranty for recommended conditions.
 - 3. Combox must be connected to a router with internet to be remotely monitored.
 - Specifications are typical/nominal. Subject to change without notice.