

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

APPLICATIONS

SIA (Standard Interconnection Agreement) customers: ESS allows for solar PV power to be self-consumed in a DC Coupled system, curtailing PV production to prevent the export of power to the grid. Compatible with both string inverters and micro-inverters in an AC Coupled system, providing a backup power source.

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 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 1.0 (x3 PHI 3.8)	ACCESS 2.0 (x4 PHI 3.8)
General		
Dimensions	29.5" W x 76"H (w/feet) x 20" D / 75 cm W x 193 cm H x 51 cm 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 lbs. (272.16 kg.) w/o batteries	600 lbs. (272.16 kg.) w/o batteries
Enclosure Rating	NEMA 3R Outdoor Rated	NEMA 3R Outdoor Rated
Mounting	Free-standing or Pad-mounted	Free-standing or Pad-mounted
Inverter		
Schneider Electric	Conext XW Pro	Conext XW Pro
Application	On or Off-Grid	On or Off-Grid
AC Connections	1 Grid Port, 1 Generator Port	1 Grid Port, 1 Generator Port
AC Output	48 A (120 VAC) / 27 A (240 VAC), 60 Hz	48 A (120 VAC) / 27 A (240 VAC), 60 Hz
Rated Output Power	6.8 kW Continuous	6.8 kW Continuous
Max Output Charging Current	140 ADC	140 ADC
CEC Weighted Efficiency	92.5%	92.5%
Battery		
SimpliPhi Power	(x3) PHI 3.8 kWh-48V	(x4) PHI 3.8 kWh-48V
UL Rating	ETL Certified to UL 1973 Standard	ETL Certified to UL 1973 Standard
Rated kWh Capacity @ C/2	11.4 kWh	15.2 kWh
Max Combined Output Power	5.7 kW DC	7.6 kW DC
Max Combined Charge Current	112.5 ADC	150 ADC
Charging Temperature	32°F to 120°F (0°C to 49°C)	32°F to 120°F (0°C to 49°C)
Depth of Discharge	Up to 100% DoD	Up to 100% DoD
Round Trip Efficiency	98%	98%
Cycle Life	10,000+ cycles (@ 80% DoD)	10,000+ cycles (@ 80% DoD)
Warranty Period	10 years	10 years
Solar (select models)		
Schneider Electric Charge Controller	Conext MPPT 80 600	Conext MPPT 80 600
Max Connected PV Power	4.8 kW	4.8 kW
Max Charge Current	80 ADC	80 ADC
Max Operating PV Array Voltage	195 to 550 VDC	195 to 550 VDC
Max Open Circuit PV Array Voltage	600 VDC	600 VDC
System Monitoring		
Set Up/Monitor (no internet)	System Control Panel (SCP)	System Control Panel (SCP)
Battery Monitor	Conext Battery Monitor	Conext Battery Monitor
Internet Connected Monitor/Command	ComBox or Gateway	ComBox or Gateway
Options		
Conext Automatic Generator Start	Conext AGS	Conext AGS
Schneider Electric Charge Controller	Conext MPPT 80 600	Conext MPPT 80 600