

Sunverge Energy's AC-coupled Solar Integration System (SIS) offers a range of battery capacity options and works with existing or new solar photovoltaic (PV) installations. Designed for indoor and outdoor environments alike, the UL-certified appliance combines battery storage and complete power electronics in a single unit controlled by Sunverge's advanced cloud-based software platform. Offering the industry's best back-up power, this system enables homeowners to power more appliances and in different combinations than is possible with competing solutions. The Sunverge SIS, unlike traditional AC-coupled systems, provides dedicated connections for PV and critical load panels inside the system, which results in less external wiring and faster installation. In addition, the Sunverge SIS allows control of the external PV system, a vital feature in markets with grid export limits.

AC Input/Output	SIS-7048
	50 Hz
Continuous Output Power	5,000 W
Surge Rating (10 seconds)	5,000 W
AC Input Voltage	230 VAC Single Phase
Recommended AC Breaker	40 A Type B RCCB
Output Wave Form	True Sine Wave
Total Harmonic Distortion	<5% at rated power
Automatic Transfer Relay Rating / Typical Transfer Time from Grid to Back-Up	60 A / 8 milliseconds
Inverter Peak Efficiency	95.7%
Inverter CEC Weighted Efficiency	93.0%
Depth of Discharge	85%

Certifications	All Models
Inverter & Interconnection	IEC 62109-1, IEC 62109-2, AS3100 AS 4777.2-2015
	EN61000-6-1, EN61000-6-3, EN61000-3-2 EN50178, RCM (pending)
Battery	UN 38.3, UL 1973 , UL 1642
Enclosure	NEMA 3R, UL 50E
Fully Integrated System	UL 1741 , AS 62040.1

Advanced Controls Software	All Models
System Network	CAN BUS
External APIs	HTTPS Web Services
Remote Communications	HTTPS Over TCP/IP
Local Communications	Ethernet or Cellular (additional option)
Command Latency	< 500 milliseconds
Support	Sunverge NOC monitoring, and dedicated support staff

Mechanical		
Installed Dimensions	192 cm (76 in) x 86 cm (34 in) x 36 cm (14 in)	
	Battery	Weight
	7.7kWh	272 kg (600 lbs)
	11.6kWh	302 kg (665 lbs)
	15.5kWh	329 kg (725 lbs)
	19.4kWh	358 kg (789 lbs)
Outdoor/Rainproof	NEMA 3R: IEEE C57.12.52 Section 6 C57.28 Section 4	
Ambient Air Temperature Operating Range*	-20° C to 50° C	
Cooling	Forced Air	
Paint	IEEE C57.12.28 Section 5, Powder Coating	
Mounting	Anchor/Polycrrete Pad	
Grounding	Utility Ground	
Nameplate	Conn. Diag. Rating ETC IEEE c57.12.00	

Battery	All Models
Battery Type	Li-Ion
Battery Voltage	48 V
Battery Capacity Options (nameplate)	Modular: 7.7 kWh, 11.6 kWh, 15.5 kWh or 19.4 kWh



\*Performance may be limited in extreme hot and cold weather. For more details, contact your Sunverge representative.