




**PEMS 30-60**

**1 Day Installation  
Pad-Ready AC Battery System**

**Features**

- TUV Certified to UL1741
- System Controls
- Energy Storage Bays
- Pad Cable Entry
- System Controls
- Heating & Cooling Systems




**AUSTRALIA SYSTEM**

- Approvals**
- AS/NZS 4777.2:2015
  - IEC 62109-1
  - IEC 62109-2



**Round Trip Efficiency  
True Entire System AC-AC 90%**

**ABOUT PRINCETON POWER SYSTEMS**

Princeton Power Systems, based in New Jersey and founded in 2001, designs and manufactures state-of-the-art technology solutions for energy management, microgrid operations and electric vehicle charging. The company is a global leader working with customers and partners across North America, Europe, Africa and the Caribbean. It manufactures UL and CE-certified power electronics that are used in advanced battery operations and alternative energy, with built-in smart functions for ancillary services. The company solves power issues to allow continued growth of distributed renewable energy by providing energy storage solutions that are proven to work, even in harsh environments. Princeton Power Systems builds integrated systems and designs, commissions and operates microgrids for leading organizations, including Fortune 500 automakers and industrials, and non-profit organizations. The company proudly manufactures its products in the USA. More information about Princeton Power Systems is available at [www.princetonpower.com](http://www.princetonpower.com).

**ELECTRICAL**

		AUSTRALIA
System	SGIP 30 kW 60 kWh AC	SGIP 30 kW 60 kWh AC
Battery Chemistry	Lithium Ion	Lithium Ion
Battery Certification	UL1642, UL1973RU, UN38.3	UL1642, UL1973RU, UN38.3
Inverter Certification	TUV Certified to UL1741/IEEE 1547	AS/NZS 4777.2:2015
Round-trip System Efficiency at Full Load	90%	90%
AC Voltage	480 VAC +10%, -12%, 3-phase 3/4 wire	415 VAC +10%, -25%, 3-phase 4 wire
AC Frequency	60 Hz nominal, 59.3-60.5 Hz (per UL requirement)	50Hz nominal, 47Hz (AUS) 45Hz (NZ to 52Hz)
Max Continuous AC Power	30 kW AC/30 kVA AC	30 kW AC/30 kVA AC
Energy Storage Capacity measured at AC Terminals	60 kWh	60 kWh
3rd Party Control Interface & Protocol	TCP/RS232/RS485 Modbus	TCP/RS232/RS485 Modbus

**FOOTPRINT & SYSTEM CHARACTERISTICS**

		AUSTRALIA
Enclosure	NEMA 3R	NEMA 3R
Height x Width x Depth	2.36 m/7.75' x 1.11m/3.63' x 0.79m/2.59'	2.36 m/7.75' x 1.11m/3.63' x 0.79m/2.59'
Weight	975 kg/2,150 lbs	975 kg/2,150 lbs
Operating Temperature	0°C to 50°C / 32°F to 122°F	0°C to 50°C / 32°F to 122°F
kWh/F <sup>2</sup>	7.2	7.2

**CONTACT US**

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