Princeton Energy Management System (PEMS-30-60)

PRINCETON POWER SYSTEMS

Clean Power Made Simple™

PEMS 30-60

1 Day Installation
Pad-Ready AC Battery System

Round Trip Efficiency
True Entire System AC-AC 90%

Features
- System Controls
- Energy Storage Bays
- Pad Cable Entry
- Heating & Cooling Systems
- TUV® Certified

US SYSTEM

Approvals
– UL 1741SA

AUSTRALIA SYSTEM

Approvals
– AS/NZS 4777.2:2015
– AS 62040.1.1-2003
– IEC 62109-1
– IEC 62109-2

TÜVRheinland CERTIFIED

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 and non-profit organizations, including Fortune 500 automakers and industrials. The company proudly manufactures its products in the USA. More information about Princeton Power Systems is available at 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 UL1741SA/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/f²	7.2	7.2

CONTACT US

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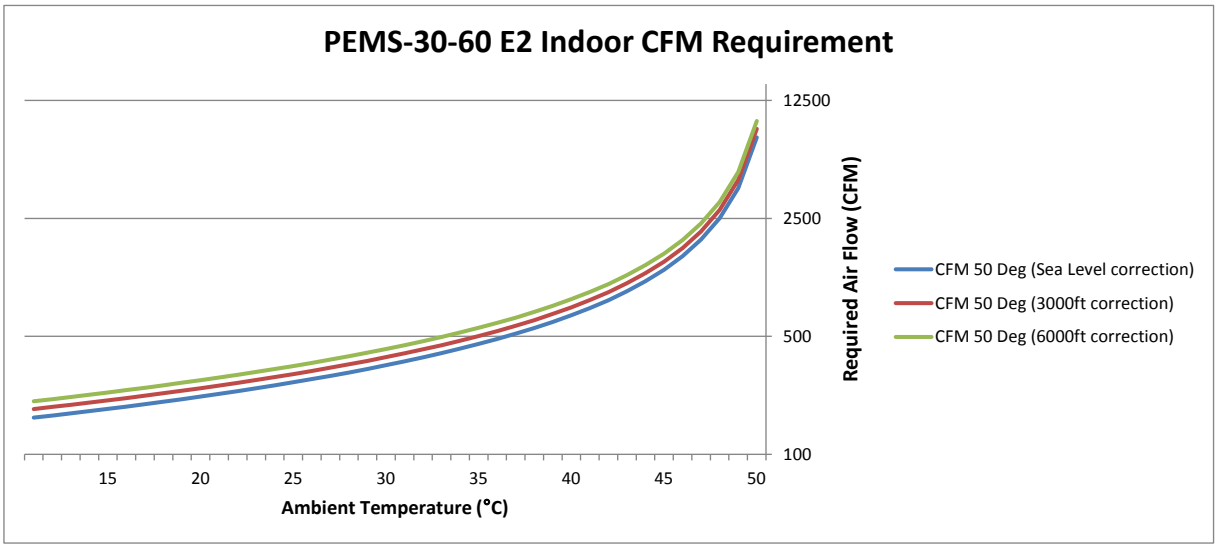
VENTILATION REQUIREMENTS



NOTE: This graph assumes a maximum ambient temperature of 50 °C. Allowance should be made for the building heat energy as well as any additional equipment within the room.

RECOMMENDED MINIMUM PAD DIMENSIONS