

**DOCKETED**

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<b>Project Title:</b>	CPV Sentinel
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<b>Document Title:</b>	Attachment 91 Megapack 2 XL Datasheet
<b>Description:</b>	Sentinel Energy Center Black Start Petition to Amend Attachment 9.1 Megapack 2 XL Datasheet
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# MEGAPACK 2 XL DATASHEET

Specifications are preliminary and subject to change.

Flexible offering designed for utility-scale projects

- Modularity allows greater configuration flexibility
- Supports Capacity Maintenance Agreements (CMA)

Proven inverter and battery technology drives design efficiency

- One Megapack includes up to 24 independent battery modules
- Configurable for 2 to 6+ hour continuous charge/discharge
- Best-in-class round-trip efficiency and thermal system performance

Turnkey solution enables rapid and cost-effective deployment

- Pre-assembled and pre-tested at Tesla's Gigafactory
- No DC connections required on site



## STANDARD SYSTEM SPECIFICATIONS

Megapack is available in 2-hour and 4-hour configurations. Minimum battery AC power and energy specifications are listed below.

AC Power / Energy per Megapack <sup>1</sup>	2-Hour	1927.2 kW / 3854.4 kWh
	4-Hour	969.6 kW / 3878.4 kWh

Inverter capacity maximum values and standard configurations are listed below. Factory configuration of the Megapack to a custom capacity not addressed by the standard values can be requested from 300 kVA up to the maximum values indicated in 100 kVA increments. Round-trip efficiency is specified for a full-depth cycle and includes all power conversion and thermal system losses during the cycle.

	Inverter Power per Megapack (at 480 V AC)	Round-Trip System Efficiency <sup>1</sup>
2-Hour Maximum	2400 kVA	92.5%
4-Hour Maximum	1632 kVA	94%

<sup>1</sup>Nominal energy and RTE at 25°C (77°F) including thermal management loads, Day 1

## ELECTRICAL INTERFACE

Nominal AC Voltage	480 V AC 3-phase
Nominal Frequency	50 or 60 Hz

## MECHANICAL AND MOUNTING

Ingress Ratings	IP66/NEMA 3R (Main Enclosure) IP20 (Thermal System)
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Enclosure Dimensions	W: 9118 mm (359 in) D: 1659 mm (65 ½ in) H: 2800 mm (110 ¼ in)
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Maximum Weight (Mass)	38,100 kg (84,000 lb)
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Operating Ambient Temperature	-30°C to 50°C (-22°F to 122°F)
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## REGULATORY (EXPECTED LISTINGS)

Cells	NRTL listed to UL 1642
System	NRTL listed to UL 1973, UL 9540, UL 9540A, UL 1741 SA, IEC 62619, IEEE 1547  Compliant to grid codes and safety standards of all major markets

## COMMUNICATIONS

Protocol	Modbus TCP / DNP3 / Rest API
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## PART NUMBER

Megapack 2 XL (All Variants)	1848844-XX-Y (Where X is a number between 0-9, and Y is a letter.)
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