

# MEGAPACK 2 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 19 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 /<br>Energy per<br>Megapack <sup>1</sup> | 2-Hour          | 1284.8 kW / 2569.6 kWh |
|   | 2-Hour CMA Only | 1445.4 kW / 2890.8 kWh |
|   | 4-Hour          | 767.6 kW / 3070.4 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<br>Megapack (at 480 V AC) | Round-Trip<br>System<br>Efficiency <sup>1</sup> |
|-----------------|--|---|
| 2-Hour Maximum  | 1680 kVA                                     | 92.5%   |
| 2-Hour Standard | 1600   1500   1400 kVA                       |   |
| 4-Hour Maximum  | 997.5 kVA                                    | 94%   |
| 4-Hour Standard | 900   800 kVA                                |   |

<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)<br>IP20 (Thermal System)                |
| Enclosure<br>Dimensions          | W: 7250 mm (285 ½ in)<br>D: 1642 mm (64 ¾ in)<br>H: 2507 mm (98 ¾ in) |
| Maximum Weight<br>(Mass)         | 30,500 kg (67,250 lb)   |
| Operating Ambient<br>Temperature | -30°C to 50°C (-22°F to 122°F)  |

## 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<br><br>Compliant to grid codes and safety standards of all major markets |

## COMMUNICATIONS

|          |                              |
|----------|------------------------------|
| Protocol | Modbus TCP / DNP3 / Rest API |
|----------|------------------------------|

## PART NUMBER

|                              |   |
|------------------------------|---|
| Megapack 2<br>(All Variants) | 1748844-XX-Y<br>(Where X is a number between 0-9, and Y is a letter.) |
|------------------------------|---|