



## MEGAPACK 2 XL COMPLIANCE SUMMARY

This summary documents the available listings for Megapack 2 XL and Megapack 2 XL's main subcomponents. If a certain standard is not listed below, it is a listing to which Megapack 2 XL will not be certified or that has not yet been added to the Megapack 2 XL certification plan. All certificates to these standards are made available in the *Megapack 2 XL Compliance Packet* on the Tesla Partner Portal. Contact your Tesla representative for more information.

### Cell

Standard	Description	Filename or Status
ANSI/CAN/UL 1973	Standard for Batteries for Use in Stationary, Vehicle Auxiliary Power and Light Electric Rail (LER) Applications	Certified
UL 1642	Standard for Lithium Batteries	Certified
IEC 62619	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries for use in industrial applications	Megapack_2_XL_EU_CE_Safety_EMCC.pdf
UN38.3	Transportation Testing for Lithium Batteries	Certified



## Battery Module

Standard	Description	Filename or Status
ANSI/CAN/UL 1973	Standard for Batteries for Use in Stationary, Vehicle Auxiliary Power and Light Electric Rail (LER) Applications	<p>Megapack_2_and_XL_Battery_Module_NA_UL1973.pdf – for C010 and C011 cell option</p> <p>C012_Megapack_2_XL_Battery_Module_NA_UL1973.pdf – for C012 cell option</p> <p>Supporting Document: Megapack_2_XL_VoC_Ratings_Configurability.pdf</p>
IEC 62619	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries for use in industrial applications	Megapack_2_XL_EU_CE_Safety_EMC.pdf
UN38.3	Transportation Testing for Lithium Batteries	Certified
UL 1998	Standard for Software in Programmable Components	Evaluated to, as part of general UL certification
IEC 60730 Annex H	Automatic electrical controls for household and similar use - Requirements for electronic controls	Evaluated to, as part of general IEC certification



## System

Standard	Description	Filename or Status
Australian Standard AS4991-2004 "Lifting Devices"	Allows Megapack 2 XL to be lifted and transported within Australia	Megapack_2_XL_AS4991-2004.pdf
EU Battery Regulation Article 10	Regulation (EU) 2023/1542 of the European Parliament and of the Council of 12 July 2023	Tesla_EU_Article_10_Documentation.pdf
United Kingdom - Statement of compliance for consumer internet of things (IoT) security	Applicable security requirements specified in Schedule 1 of the Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023	Tesla_Manufacturer_Statement_of_Compliance_for_Consumer_IoT_Security_UK-EN.pdf
Megapack 2 XL DSA Pre-Check - California	Allows designs for using Megapack 2 XL with pre-approved structural foundations and anchorages in construction projects within the California Division of the State Architect's (DSA) jurisdiction	Megapack_2_XL_DSA_Pre-Check_California.pdf
US VI Water and Power Authorities	US Virgin Islands Water and Power Authority Requirements and procedures for interconnection generating facilities to the electrical distribution system	Megapack_2_XL_USVI_WAPA_Letter.pdf
FDNY TM-2	Approval of Outdoor Stationary Storage Battery Systems	Tesla_Megapack_2_XL_FDNY_Certificate_of_Approval.pdf
NOM-024-SCFI-2013	Commercial Information for packaging, instructions and guarantees of electronic, electric and electrical domestic products	Megapack_2_and_XL_NA_Mexico_NOM-024_Letter.pdf
NOM-001-SCFI-2018	Electronic Apparatus. Electronic household appliances input by different electric power sources. Safety requirements and testing methods for type approval	Megapack_2_XL_NA_Mexico_NOM-001_Letter.pdf
IEEE 2030.5	IEEE Standard for Smart Energy Profile Application Protocol	Megapack_2_and_XL_IEEE2030.5_CSIP.pdf
CSIP	Common Smart Inverter Profile	Megapack_2_and_XL_IEEE2030.5_CSIP.pdf
Netherlands	Decree of the Netherlands Authority for Consumers and Markets of 21 April 2016, reference ACM/DE/2016/202151, concerning the determination of the conditions as referred to in Article 31 of the Electricity Act 1998 (Electricity Grid Code)	Megapack_2_and_XL_VoC_Netherlands.pdf
SRD 2.0	Hawaiian Electric IEEE 1547.1-2020 Source Requirements Document Version 2.0	Megapack_2_and_XL_VoC_SRD_2.0.pdf



Standard	Description	Filename or Status
Japan Type Test Report	Japan Electrical Testing (JET) Type Test Report for Energy Storage Systems	Megapack_2_and_XL_Japan_Type_Test_Report_60Hz.pdf  Megapack_2_and_XL_Japan_Type_Test_Report_50Hz.pdf
UL 1741 PCS	Inverters, Converters, Controllers And Interconnection System Equipment For Use With Distributed Energy Resources - Power Control Systems (PCS) - Certification Requirement Decision 3/8/2019	Megapack_2_and_XL_VoC_UL_1741_PCS.pdf
ANSI/CAN/UL 9540	Standard for Energy Storage Systems and Equipment	Megapack_2_XL_NA_UL9540_UL1741_CSA_C22-2_107-1.pdf – for cell option C010 and C011  C012_Megapack_2_XL_NA_UL9540_UL1741_CSA_C22-2_107-1.pdf – for cell option C012  Supporting Document: Megapack_2_XL_VoC_Ratings_Configurability.pdf
UL 9540A	Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems	UL9540A/Megapack_2_and_XL_-_ANSI-UL_9540A_Unit_Level_Report.pdf – for cell option C010 and C011  UL9540A/C012_UL9540A_Megapack_2_XL_-_ANSI-UL_9540A_Unit_Level_Report.pdf – for cell option C012
UL 1741	Standard for Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources	Megapack_2_XL_NA_UL9540_UL1741_CSA_C22-2_107-1.pdf  Supporting Document: Megapack_2_XL_VoC_Ratings_Configurability.pdf
Low Voltage Directive 2014/35/EU	Directive on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits	Megapack_2_XL_EU_CE_Safety_EMC.pdf
Electro Magnetic Compatibility	Directive on the harmonization of the laws of the Member States relating to electromagnetic compatibility	Megapack_2_XL_EU_CE_Safety_EMC.pdf



Standard	Description	Filename or Status
Directive 2014/30/EU		
CSA C22.2 NO 107.1	Standard for Power Conversion equipment	Megapack_2_XL_NA_UL9540_UL174_1_CSA_C22-2_107-1.pdf
IEC 62933-5-2	Electrical energy storage (EES) systems - Part 5-2: Safety requirements for grid-integrated EES systems - Electrochemical-based systems	Megapack_2_XL_IEC 62933-5-2.pdf Megapack_2_XL_EU_CE_Safety_EMC.pdf
UL/CAN/IEC 62109-1	Safety of power converters for use in photovoltaic power systems - Part 1: General requirements	Megapack_2_XL_EU_CE_Safety_EMC.pdf
IEEE 519	IEEE Recommended Practice and Requirements for Harmonic Control in Electric Power Systems	Evaluated to, as part of IEEE 1547 certification
EN 61000-6-2	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments	Megapack_2_XL_EU_CE_Safety_EMC.pdf
EN 61000-6-4	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments	Megapack_2_XL_EU_CE_Safety_EMC.pdf
EN 55011	Industrial, Scientific and medical equipment – Radio frequency disturbance characteristics – Limits and methods of measurement	Megapack_2_XL_EU_CE_Safety_EMC.pdf
EN 61000-3-11	Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current $\leq 75$ A and subject to conditional connection	Megapack_2_XL_EU_CE_Safety_EMC.pdf
IEC 61000-3-12	Electromagnetic compatibility (EMC) – Part 3-12: Limits – Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current $>16$ A and $\leq 75$ A per phase	Megapack_2_XL_EU_CE_Safety_EMC.pdf
IEEE 693	IEEE Recommended Practice for Seismic Design of Substations	Megapack_2_XL_VoC_IEEE_693.pdf
IEEE 1547	IEEE Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power Systems Interfaces	Megapack_2_XL_NA_UL9540_UL174_1_CSA_C22-2_107-1.pdf Megapack_2_and_XL_DoC_IEEE1547_LROV.pdf



Standard	Description	Filename or Status
UL 1741 SB	Standard for Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources – Supplement B	Megapack_2_XL_NA_UL9540_UL1741_CSA_C22-2_107-1.pdf
United Kingdom – G99 Issue 1 Amendment 8	Requirements for the connection of generation equipment in parallel with public distribution networks on or after 27 April 2019	Megapack_2_XL_UK_G99_Amd8_Form A2_3.pdf  Megapack_2_XL_UK_G99_Amd8_Form B_C_D.pdf
Netherlands - ACM/DE/2016/2021 51	Electricity grid code concerning the determination of the conditions of connection as referred to in Article 31 of the Netherland's Electricity Act 1998	Megapack_2_and_XL_VoC_Netherlands.pdf
Slovenia – Commission Regulation 2016/631	Approval of the proposals for the non-exhaustive requirements of Commission Regulation 2016/631	Megapack_2_and_XL_VoC_Slovenia.pdf
EN 50549-1	Requirements for generating plants to be connected in parallel with distribution networks - Part 1: Connection to a LV distribution network - Generating plants up to and including Type B	Megapack_2_and_XL_VoC_EN50549.pdf
EN 50549-2	Requirements for generating plants to be connected in parallel with distribution networks - Part 2: Connection to a MV distribution network - Generating plants up to and including Type B	Megapack_2_and_XL_VoC_EN50549.pdf
EN 50549-10	Requirements for generating plants to be connected in parallel with distribution networks Tests for conformity assessment of generating units	Megapack_2_and_XL_VoC_EN50549.pdf



## Tesla System Controller

Standard	Description	Filename
SRRC	China State Radio Monitoring and Testing Center – SRRC Certification	Controller_1471208_China_SRRC.pdf
CSIP IEEE 2030.5	Certification to IEEE 2030.5-2018 networking standard in the manner described in the Common Smart Inverter Profile	Controller_GLOBAL_IEEE2030-5.pdf
IEC / EN / UL 61010-1	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements	Controller1471208_NA_CSA-22-2_UL-61010-1.pdf, Controller1471208_APAC_EMEA_IEC-61010-1.pdf
CAN/CSA-C22.2 No. 61010 - 1-12 + GI1 + GI2	Safety Requirements For Electrical Equipment For Measurement, Control, And Laboratory Use - Part 1: General Requirements	Controller1471208_NA_CSA-22-2_UL-61010-1.pdf



## Manufacturing

Standard	Description	Filename
ISO 9001:2015	Quality Management System applicable to Manufacturing of Industrial Energy Storage Products (Lathrop, CA, USA)	Megafactory_Lathrop_ISO_9001_Certification.pdf
ISO 9001:2015	Quality Management System applicable to Manufacturing of Industrial Energy Storage Products (Shanghai, China)	Megafactory_Shanghai_ISO_9001_Certification_en-US.pdf
ISO 9001:2015	Quality Management System applicable to Manufacturing of Industrial Energy Storage Products (Shanghai, China)	Megafactory_Shanghai_ISO_9001_Certification_zh-CN.pdf