



Certificate of Compliance

Certificate: 80202415

Master Contract: 304186

Project: 80202415

Date Issued: 2025-04-28

Issued To: Zhongtian Energy Storage Technology Co.,Ltd.
No.36,East Hongxing Road, NETDA
Nantong, Jiangsu 226015
China

Attention: Taibing Gong

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Marvin Peng
Marvin Peng

PRODUCTS

CLASS - C370116 - BATT - Cell for use in Battery/Module for Stationary LER and EV Application
CLASS - C370186 - BATT - Cell for use in Battery/Module for Stationary LER and EV Application -
Certified to US Standard

General: Rechargeable Prismatic Lithium-ion Cell, Model ZTT71173207.

Model Number	Chemistry	Shape/Type	Weight
ZTT71173204	LiFePO ₄ +C ₆ <-> Li _{1-x} LiFePO ₄ +Li _x C ₆	Prismatic	5490±300g

Electrical Rating:

Note: See also Conditions of Acceptability for charge limit specifications.



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Model Number	Voltage (Nominal), Vdc	Capacity, (Nominal), Ah
ZTT71173204	3.2	314

MANUFACTURER'S SPECIFIED CHARGING AND DISCHARGING PARAMETERS:

The following values, based upon manufacturer's internal data, are the manufacturer's recommended charging and discharging specifications. These parameters have been utilized for sample preparation such as cycling conditioning and charging or discharging, prior to the safety tests conducted on the cells.

Cell Model	Mfgs. Recommended Charge Specifications				Mfgs. Recommended Discharge Specifications		
	Voltage, Vdc	Current, A	Maximum charging Voltage, Vdc	Maximum charging current, A	Current, A	Maximum discharging current, A	End Point Voltage, Vdc
ZTT71173204	3.65	157	3.65	314	157	314	2.5, T>0 °C; 2.0, T≤0 °C

The lithium-ion rechargeable cell's temperature range of charging/discharge was specified by the manufacturer as below:

Model	Charging temperature range	Discharging temperature range	Storage temperature range	Surface temperature limit
ZTT71173204	0~60 °C	-20~60 °C	-35~60 °C	80 °C

The following values, based upon manufacturer's internal data, are the manufacturer's Upper limit charging parameters.

-	Charge, °C		Upper limit charging Voltage, Vdc	Upper limit charging Current, A
Cell Model	Lower Limit	Upper Limit	--	--
ZTT71173204	0	60	3.65	314



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Conditions of Acceptability:

1. Cell is intended to use in stationary, light electric rail and vehicle auxiliary application only.
2. The evaluation for the lithium-ion rechargeable cell does not include the combination of the battery and the host product which are covered by requirements in the host product standard.
3. The suitability of these cells for multi cell applications including series or parallel connections shall be determined in the end use. Cells used in multi-cell applications shall be of the same type, ratings and age to prevent the potential for explosions and fire due to cell imbalance.
4. Only safety was considered when evaluating the cell products, performance tests was not included in the investigation.
5. Projectile test was conducted on cell secured with fixture. Additional test may be needed and the acceptance should be determined by end applications. Hence, the suitability of these cells in end use applications with the explosion hazard as a results of exposure to fire should be determined.

APPLICABLE REQUIREMENTS

ANSI/CAN/UL 1973:2022 - Batteries for Use in Stationary, Vehicle Auxiliary Power and Light Electric Rail (LER) Applications (Annex E - Alternative Cell Test Program)

MARKINGS

See CSA report.

Notes:

Products certified under Class C370116, C370186 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

Certificate: 80179978

Master Contract: 304186

*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80202415	2025-04-28	Original Certification for Rechargeable Prismatic Lithium-ion Cell, Model ZTT71173204 by ANSI/CAN/UL-1973: 2022, Third Edition.