



# Certificate of Compliance

**Certificate:** 80192227

**Master Contract:** 304401

**Project:** 80192227

**Date Issued:** 2024-11-07

**Issued To:** Australia National Power Storage Holding Pty Ltd.  
Chatswood West  
Willoughby, New South Wales, 2067  
Australia

**Attention:** Zhou

*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:** Iris Gao  
*Iris Gao*



## **PRODUCTS**

CLASS 3701-16 - Cell for use in Battery/Module for Stationary and LER Application

CLASS 3701-86 - Cell for use in Battery/Module for Stationary, LER and EV Application - Certified to US Standard

Rechargeable Lithium-ion Cell, model 3777AH, rated 3.2V, 3777Ah.

Cell Model	Chemistry	Format
3777AH	$\text{LiFePO}_4 + 6\text{C} \rightarrow \text{FePO}_4 + \text{Li}_x\text{C}_6$	Prismatic

**ELECTRICAL RATING:**

See also Conditions of Acceptability for charge limit specifications.



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Model Number	Voltage (Nominal), Vdc	Capacity, (Nominal), Ah
3777AH	3.20	3777

**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 current, A	Current, A	Maximum discharging current, A	End Point Voltage, Vdc
3777AH	3.65	1888.5	1888.5	1888.5	1888.5	2.5

**MANUFACTURER’S SPECIFIED TEMPERATURE PARAMETERS:**

The following values, based upon manufacturer’s internal data, are the manufacturer’s recommended temperature specifications.

Cell Model	Charge, C		Discharge, C		Storage, C		Surface maximum, C
	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	
3777AH	0	60	-30	60	0	60	75

**Conditions of Acceptability:**

1. 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.
2. 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.
3. Only safety was considered when evaluating the cell products, performance tests was not included in the investigation.
4. These cells have been subjected to an overcharge test which subjects the cells to a constant current (CC) charge method followed by a constant voltage (CV) charge method. The test limit parameters for the overcharge test are outlined in the table below. The charging circuit in the end use application shall limit the charging current and charging voltage to the levels noted in the table under both normal and single fault condition. If the charging current and voltage in the end use application cannot be maintained at or



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below the levels noted in the table or if the charging method is different from the CC/CV method noted above, additional evaluation and testing may be necessary.

Model	Maximum Charging Current, A	Maximum Charging Voltage, V dc
3777AH	1888.5	4.44

### **APPLICABLE REQUIREMENTS**

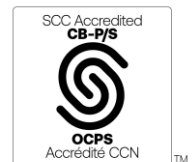
ANSI/CAN/UL 1973:2022 - Batteries for Use in Stationary, Vehicle Auxiliary Power and Light Electric Rail (LER) Applications (APPENDIX E - Alternative Cell Test Program)

### **MARKINGS**

See CSA Report

Notes:

Products certified under Class 370116, 370186 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## *Supplement to Certificate of Compliance*

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

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
80192227	2024-11-07	Original Certification for Lithium-ion Rechargeable Cell, Model 3777AH rated 3.2V, 3777Ah to UL 1973 under WMTC program.