



# Certificate of Compliance

**Certificate:** 70190528

**Master Contract:** 272687

**Project:** 70190528

**Date Issued:** 2019-01-30

**Issued to:** SolaX Power Network Technology (Zhe jiang) Co. , Ltd.  
No 288, Shizhu Rd, Tonglu Economic  
Hangzhou, Zhejiang 311500,  
China

**Attention:** Ms Jessica Zhu

*The products listed below are eligible to bear the CSA Mark shown  
with adjacent indicator 'US' for US only*



**Issued by:** *Fei (Joseph) Zhou*  
Fei (Joseph) Zhou

## **PRODUCTS**

CLASS - C370182 - Battery System for use in Stationary Applications- – Certified to US Standards

Battery Pack for Use in Stationary Electrical Energy Storage Application, Lithium-ion, the Model name and Electrical Ratings are noted as below:

Electrical Ratings:



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Battery System Model	Battery System Module Ratings				Battery Module	BMU Model
	Normal Voltage, Vdc	Normal Capacity, Ah/Wh	Battery Pack System Configuration	Enclosure IP Rating		
T-BATH 6.3	100.8	63Ah/6350Wh	1P1S	IP55	HV10063	MC0500
T-BATH 12.6	201.6	63Ah/12701Wh	1P2S	IP55	HV10063	MC0500
T-BATH 18.9	302.4	63Ah/19051Wh	1P3S	IP55	HV10063	MC0500
T-BATH 25.2	403.2	63Ah/25401Wh	1P4S	IP55	HV10063	MC0500
T-BATH 4.5	100.8	45Ah/4536Wh	1P1S	IP55	HV10045	MC0500
T-BATH 9.0	201.6	45Ah/9072Wh	1P2S	IP55	HV10045	MC0500
T-BATH 13.5	302.4	45Ah/13608Wh	1P3S	IP55	HV10045	MC0500
T-BATH 18.0	403.2	45Ah/18000Wh	1P4S	IP55	HV10045	MC0500

Manufacturer's Specified Charging Parameters for Battery Pack

Battery System Model	Temperature Range, °C	Normal Charging Voltage, Vdc	Normal Charging Current, A	Maximum Charging Voltage, Vdc	Maximum Charging Current, A
T-BATH 6.3	0~45	100.8	25	117.6	30
T-BATH 12.6	0~45	201.6	25	235.2	30
T-BATH 18.9	0~45	302.4	25	352.8	30
T-BATH 25.2	0~45	403.2	25	470.4	30
T-BATH 4.5	0~45	100.8	25	117.6	30
T-BATH 9.0	0~45	201.6	25	235.2	30
T-BATH 13.5	0~45	302.4	25	352.8	30
T-BATH 18.0	0~45	403.2	25	470.4	30

Manufacturer's Specified Discharging Parameters for Battery Pack:

Battery System Model	Temperature Range, °C	Normal Discharging Current, A	Maximum Discharging Power, W	Maximum Discharging Current, A
T-BATH 6.3	0~45	25	3	30
T-BATH 12.6	0~45	25	6	30
T-BATH 18.9	0~45	25	9	30
T-BATH 25.2	0~45	25	12	30
T-BATH 4.5	0~45	25	3	30
T-BATH 9.0	0~45	25	6	30
T-BATH 13.5	0~45	25	9	30
T-BATH 18.0	0~45	25	12	30



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Notes:

1. The battery system including its battery management system has been tested according to the functional-safety requirements of ANSI/UL 1973. Any change to the software and electronic controls of the BMS may require additional testing.
2. The enclosure was evaluated only to establish an IP rating of IPX5 with the Standard for Degrees of Protection Provided by Enclosure (IP Code) IEC 60529.
3. Solid state circuits relied upon as the primary safety protection, have been evaluated to the Standard for Safety: Automatic Electrical Controls – Part 1, UL 60730-1.
4. Corrosion due to electrochemical action is to be determined for conductive parts in contact with terminals when subjecting to the installation of the end products.
5. Equipment Application Location: Stationary
6. Access Location: Operator Accessible.
7. The installation was not evaluated. The battery system shall be installed in accordance with NFPA 70 or other applicable installation code.
8. Dielectric Voltage Withstand Test was performed with the test potential of 4200 Vdc, a higher test potential shall be considered in the end product if higher overvoltage category specified.
9. Product is evaluated for use in indoor and outdoor application.
10. Overvoltage Category(OCV): 2
11. Pollution Degree(PD): 2
12. Altitude for Operation: Up to 2000 m.

**APPLICABLE REQUIREMENTS**

UL-1973:2018, Batteries for Use in Stationary, Vehicle Auxiliary Power and Light Electric Rail (LER) Applications – 2<sup>nd</sup> Edition.



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### *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>
70190528	2019-01-30	Original certification of battery system models T-BAT H 6.3, T-BAT H 12.6, T-BAT H 18.9, T-BAT H 25.2, T-BAT H 4.5, T-BAT H 9.0, T-BAT H 13.5 and T-BAT H 18.0 to UL 1973 2 <sup>nd</sup> Edition.