



# CERTIFICATE OF COMPLIANCE

**Certificate Number:** SGSNA/24/SH/00043

**Contract Number:** 802576  
**Certificate Project Number:** SH-CERT230301413

**Certified Product:** Solar Home Energy Storage System  
**Trademarks:**



MAPLE LEAF

**Model(s):** MOOSE POWER  
**Technical Data:** See page 2-5

**Certificate Holder:** Maple Leaf Power Systems Inc.  
102 Commerce Park Drive Unit 11, Barrie, L4N8W8 Ontario, Canada

*This certificate supercedes previous certificates issued with the same certificate number. Certification is valid when products are indicated on the SGS directory of certified products at [www.sgs.com](http://www.sgs.com) or using the QR code below. The product is certified according to ISO/IEC Guide 17067, Conformity assessment - Fundamentals of product certification, System 3, and in accordance with:*

ANSI/CAN/UL 9540, 2nd Ed. Rev. April 9, 2021

Authorized by:



Mark Lohmann  
Certifier

Effective date: 30 January 2024

## Certification Body

Connectivity & Products, a division of SGS North America Inc.  
620 Old Peachtree Road, Ste. 100, Suwanee, GA 30024, USA  
t +1 770 570 1800 f +1 770 277 1240 [www.sgs.com](http://www.sgs.com)



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**Additional Information:**

**Technical Data:**

The IP20 series (same as IP65 series) consists of a battery and a PCS, in which the battery is same, but the power of the PCS is different, mainly 5kW, 7.6kW, 8kW, 9.6kW, 10kW and 12kW.

**IP20 series**

**PCS Part:**

**LXP-LB-US 12K**

Battery Connection  
 Battery Voltage Operation Range: 40V~60V  
 Maximum Charging/Discharging Current: 250A  
 PV Connection  
 MPPT Voltage Range: 120V~500V  
 Max. Power: 18000W  
 AC Connection  
 Nominal Voltage: 208Vac, 120/240Vac Split phase  
 Frequency: 60Hz  
 Nominal AC Power:12000W

**LXP-LB-US 10K**

Battery Connection  
 Battery Voltage Operation Range: 40V~60V  
 Maximum Charging/Discharging Current: 210A  
 PV Connection  
 MPPT Voltage Range: 120V~500V  
 Max. Power: 16000W  
 AC Connection  
 Nominal Voltage: 208Vac, 120/240Vac Split phase  
 Frequency: 60Hz  
 Nominal AC Power:10000W

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**IP20 series**

**LXP-LB-US 9.6K**

Battery Connection

Battery Voltage Operation Range: 40V~60V

Maximum Charging/Discharging Current: 200A

PV Connection

MPPT Voltage Range: 120V~500V

Max. Power: 14000W

AC Connection

Nominal Voltage: 208Vac, 120/240Vac Split phase

Frequency: 60Hz

Nominal AC Power:9600W

**LXP-LB-US 8K**

Battery Connection

Battery Voltage Operation Range: 40V~60V

Maximum Charging/Discharging Current: 167A

PV Connection

MPPT Voltage Range: 120V~500V

Max. Power: 12000W

AC Connection

Nominal Voltage: 208Vac, 120/240Vac Split phase

Frequency: 60Hz

Nominal AC Power:8000W

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**IP20 series**

**LXP-LB-US 7.6K**

Battery Connection  
 Battery Voltage Operation Range: 40V~60V  
 Maximum Charging/Discharging Current: 158A  
 PV Connection  
 MPPT Voltage Range: 120V~500V  
 Max. Power: 11000W  
 AC Connection  
 Nominal Voltage: 208Vac, 120/240Vac Split phase  
 Frequency: 60Hz  
 Nominal AC Power:7600W

**LXP-LB-US 5K**

Battery Connection  
 Battery Voltage Operation Range: 40V~60V  
 Maximum Charging/Discharging Current: 115A  
 PV Connection  
 MPPT Voltage Range: 120V~500V  
 Max. Power: 8000W  
 AC Connection  
 Nominal Voltage: 208Vac, 120/240Vac Split phase  
 Frequency: 60Hz  
 Nominal AC Power:5000W

**Battery Part**

Nominal Voltage: 51.2V  
 Max. Charge Current:150A  
 Max. Charge Voltage: 56V

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### Technical Data:

#### IP20 series

Max. Discharge Current:150A

End of Discharge Voltage:46V

Charging Temperature Range: 0°C~45°C

Discharging Temperature Range: -20°C~55°C

IP Rating of Enclosure: IP20

#### IP65 series:

##### PCS Part:

Same as the PCS model used in IP20 series.

##### Battery Part:

IP rating of battery enclosure is IP65, other ratings are same as the battery used in IP20 series.

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