

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 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

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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





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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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Additional Information:

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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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Additional Information:

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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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Additional Information:

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.

