



A P P R O V A L S ®

Certificate of Suitability

Certificate No.: SAA191627

Certificate Holder: Shenzhen Growatt New Energy Co., Ltd.
4-13/F, Building A, Sino-German(Europe) Industrial Park,
Hangcheng Ave, Bao'an District,
Shenzhen,
P.R. China

Regulatory Definition: Non-Prescribed
Product Description: Hybrid Inverter
Trade Name/s: GROWATT
Model No.: See Page 2.
Rating/Marking/s: See Page 2.

Standard/s: IEC 62109-1 Ed. 1.0
IEC 62109-2 Ed. 1.0
AS/NZS 4777.2:2020 Inc A1
AS IEC 62477.1:2016

Condition/s: Nil

Approval Marks: RCM (In accordance with AS/NZS 4417 and EESS requirements)
and
SAA191627

Initial Issue Date: 8 July 2019
Expiry Date: 8 July 2024

For and on Behalf of
SAA Approvals Pty Ltd

This certificate is issued by SAA Approvals Pty Ltd in accordance with the SAA Approvals Electrical Product Safety Certification Scheme accredited by JAS-ANZ under AS/NZS ISO/IEC 17065 and RECS accreditation under the Queensland Government legislative requirements. SAA certifies the product nominated in this certificate complies with standard/s listed above in accordance with the schemes herein.

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Additional Models

MIN 6000TL-XH

Trade Name

GROWATT

Rating/Marking

PV Input:
 Vmax PV: 550Vdc Max
 MPPT Voltage: 70-550Vdc
 Current: 13.5A x2
 Isc PV: 16.9A x2
 Battery DC input / output: 550Vdc Max, 360-550Vdc, 17A Max
 AC input: 230Vac 50/60Hz 22.7A 0.8 to 0.8 p.f.
 AC Output: 230Vac 50/60Hz 0.8 to 0.8 p.f.
 Rated Apparent Power: 6000VA
 Rated Output Current: 27.2A
 Protective Class: Class I
 Overvoltage Category: PV II, Bat: II, AC: III, Others: I
 Topology: Non-isolated
 Ingress Protection: IP65
 Operating Temperature Range: -25°C to +60°C
 Software Version: AL1.0
 Hardware Version: V1.0

MIN 2500TL-XH

GROWATT

PV Input:
 Vmax PV: 500Vdc Max
 MPPT Voltage: 70-500Vdc
 Current: 13.5A x2
 Isc PV: 16.9A x2
 Battery DC input / output: 550Vdc Max, 360-550Vdc, 17A Max
 AC Input: 230Vac 50/60Hz 11.3A 0.8 to 0.8 p.f.
 AC Output: 230Vac 50/60Hz 0.8 to 0.8 p.f.
 Rated Apparent Power: 2500VA
 Rated Output Current: 11.3A
 Protective Class: Class I
 Overvoltage Category: PV II, Bat: II, AC: III, Others: I
 Topology: Non-isolated
 Ingress Protection: IP65
 Operating Temperature Range: -25°C to +60°C
 Software Version: AL1.0
 Hardware Version: V1.0

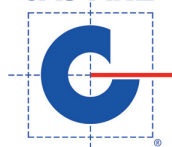
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Additional Models	Trade Name	Rating/Marking
MIN 3000TL-XH	GROWATT	PV Input: Vmax PV: 500Vdc Max MPPT Voltage: 70-500Vdc Current: 13.5A x2 Isc PV: 16.9A x2 Battery DC input / output: 550Vdc Max, 360-550Vdc, 17A Max AC Input: 230Vac 50/60Hz 13.6A 0.8 to 0.8 p.f. AC Output: 230Vac 50/60Hz 0.8 to 0.8 p.f. Rated Apparent Power: 3000VA Rated Output Current: 13.6A Protective Class: Class I Overvoltage Category: PV II, Bat: II, AC: III, Others: I Topology: Non-isolated Ingress Protection: IP65 Operating Temperature Range: -25°C to +60°C Software Version: AL1.0 Hardware Version: V1.0

MIN 3600TL-XH	GROWATT	PV Input: Vmax PV: 550Vdc Max MPPT Voltage: 70-550Vdc Current: 13.5A x2 Isc PV: 16.9A x2 Battery DC input / output: 550Vdc Max, 360-550Vdc, 17A Max AC Input: 230Vac 50/60Hz 16A 0.8 to 0.8 p.f. AC Output: 230Vac 50/60Hz 0.8 to 0.8 p.f. Rated Apparent Power: 3600VA Rated Output Current: 16A Protective Class: Class I Overvoltage Category: PV II, Bat: II, AC: III, Others: I Topology: Non-isolated Ingress Protection: IP65 Operating Temperature Range: -25°C to +60°C Software Version: AL1.0 Hardware Version: V1.0
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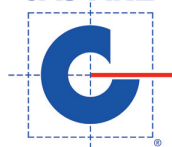
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Additional Models	Trade Name	Rating/Marking
MIN 4200TL-XH	GROWATT	PV Input: Vmax PV: 550Vdc Max MPPT Voltage: 70-550Vdc Current: 13.5A x2 Isc PV: 16.9A x2 Battery DC input / output: 550Vdc Max, 360-550Vdc, 17A Max AC Input: 230Vac 50/60Hz 19A 0.8 to 0.8 p.f. AC Output: 230Vac 50/60Hz 0.8 to 0.8 p.f. Rated Apparent Power: 4200VA Rated Output Current: 19A Protective Class: Class I Overvoltage Category: PV II, Bat: II, AC: III, Others: I Topology: Non-isolated Ingress Protection: IP65 Operating Temperature Range: -25°C to +60°C Software Version: AL1.0 Hardware Version: V1.0
MIN 4600TL-XH	GROWATT	PV Input: Vmax PV: 550Vdc Max MPPT Voltage: 70-550Vdc Current: 13.5A x2 Isc PV: 16.9A x2 Battery DC input / output: 550Vdc Max, 360-550Vdc, 17A Max AC Input: 230Vac 50/60Hz 20.9A 0.8 to 0.8 p.f. AC Output: 230Vac 50/60Hz 0.8 to 0.8 p.f. Rated Apparent Power: 4600VA Rated Output Current: 20.9A Protective Class: Class I Overvoltage Category: PV II, Bat: II, AC: III, Others: I Topology: Non-isolated Ingress Protection: IP65 Operating Temperature Range: -25°C to +60°C Software Version: AL1.0 Hardware Version: V1.0

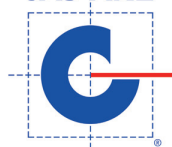
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Additional Models	Trade Name	Rating/Marking
MIN 5000TL-XH	GROWATT	PV Input: Vmax PV: 550Vdc Max MPPT Voltage: 70-550Vdc Current: 13.5A x2 Isc PV: 16.9A x2 Battery DC input / output: 550Vdc Max, 360-550Vdc, 17A Max AC Input: 230Vac 50/60Hz 22.7A 0.8 to 0.8 p.f. AC Output: 230Vac 50/60Hz 0.8 to 0.8 p.f. Rated Apparent Power: 5000VA Rated Output Current: 22.7A Protective Class: Class I Overvoltage Category: PV II, Bat: II, AC: III, Others: I Topology: Non-isolated Ingress Protection: IP65 Operating Temperature Range: -25°C to +60°C Software Version: AL1.0 Hardware Version: V1.0
MIN 6000TL-XA	GROWATT	Battery DC input / output: 550Vdc Max, 360-550Vdc, 17A Max AC input: 230Vac 50/60Hz 22.7A 0.8 to 0.8 p.f. AC Output: 230Vac 50/60Hz 0.8 to 0.8 p.f. Rated Apparent Power: 6000VA Rated Output Current: 27.2A Protective Class: Class I Overvoltage Category: Bat: II, AC: III, Others: I Topology: Non-isolated Ingress Protection: IP65 Operating Temperature Range: -25°C to +60°C Software Version: AL1.0 Hardware Version: V1.0

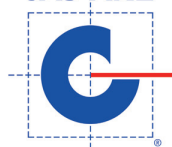
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Additional Models	Trade Name	Rating/Marking
MIN 2500TL-XA	GROWATT	Battery DC input / output: 550Vdc Max, 360-550Vdc, 17A Max AC Input: 230Vac 50/60Hz 11.3A 0.8 to 0.8 p.f. AC Output: 230Vac 50/60Hz 0.8 to 0.8 p.f. Rated Apparent Power: 2500VA Rated Output Current: 11.3A Protective Class: Class I Overvoltage Category: Bat: II, AC: III, Others: I Topology: Non-isolated Ingress Protection: IP65 Operating Temperature Range: -25°C to +60°C Software Version: AL1.0 Hardware Version: V1.0
MIN 3000TL-XA	GROWATT	Battery DC input / output: 550Vdc Max, 360-550Vdc, 17A Max AC Input: 230Vac 50/60Hz 13.6A 0.8 to 0.8 p.f. AC Output: 230Vac 50/60Hz 0.8 to 0.8 p.f. Rated Apparent Power: 3000VA Rated Output Current: 13.6A Protective Class: Class I Overvoltage Category: Bat: II, AC: III, Others: I Topology: Non-isolated Ingress Protection: IP65 Operating Temperature Range: -25°C to +60°C Software Version: AL1.0 Hardware Version: V1.0
MIN 3600TL-XA	GROWATT	Battery DC input / output: 550Vdc Max, 360-550Vdc, 17A Max AC Input: 230Vac 50/60Hz 16A 0.8 to 0.8 p.f. AC Output: 230Vac 50/60Hz 0.8 to 0.8 p.f. Rated Apparent Power: 3600VA Rated Output Current: 16A Protective Class: Class I Overvoltage Category: Bat: II, AC: III, Others: I Topology: Non-isolated Ingress Protection: IP65 Operating Temperature Range: -25°C to +60°C Software Version: AL1.0 Hardware Version: V1.0

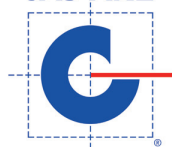
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MIN 4200TL-XA	GROWATT	Battery DC input / output: 550Vdc Max, 360-550Vdc, 17A Max AC Input: 230Vac 50/60Hz 19A 0.8 to 0.8 p.f. AC Output: 230Vac 50/60Hz 0.8 to 0.8 p.f. Rated Apparent Power: 4200VA Rated Output Current: 19A Protective Class: Class I Overvoltage Category: Bat: II, AC: III, Others: I Topology: Non-isolated Ingress Protection: IP65 Operating Temperature Range: -25°C to +60°C Software Version: AL1.0 Hardware Version: V1.0
MIN 4600TL-XA	GROWATT	Battery DC input / output: 550Vdc Max, 360-550Vdc, 17A Max AC Input: 230Vac 50/60Hz 20.9A 0.8 to 0.8 p.f. AC Output: 230Vac 50/60Hz 0.8 to 0.8 p.f. Rated Apparent Power: 4600VA Rated Output Current: 20.9A Protective Class: Class I Overvoltage Category: Bat: II, AC: III, Others: I Topology: Non-isolated Ingress Protection: IP65 Operating Temperature Range: -25°C to +60°C Software Version: AL1.0 Hardware Version: V1.0
MIN 5000TL-XA	GROWATT	Battery DC input / output: 550Vdc Max, 360-550Vdc, 17A Max AC Input: 230Vac 50/60Hz 22.7A 0.8 to 0.8 p.f. AC Output: 230Vac 50/60Hz 0.8 to 0.8 p.f. Rated Apparent Power: 5000VA Rated Output Current: 22.7A Protective Class: Class I Overvoltage Category: Bat: II, AC: III, Others: I Topology: Non-isolated Ingress Protection: IP65 Operating Temperature Range: -25°C to +60°C Software Version: AL1.0 Hardware Version: V1.0

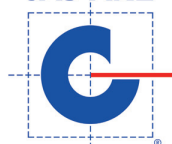
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