

Certificate of Conformity

Certificate Number: CN-PV-230317

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

| | |
|---|---|
| Applicant: | Shenzhen Growatt New Energy Co., Ltd 4-13/F, Building A, Sino-German (Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China. |
| Product: | Anti-backflow system |
| Ratings & Principle Characteristics: | See appendix of Certificate of Conformity |
| Model: | MAX 80KTL3-X LV, MAX 100KTL3-X LV, MAX 110KTL3-X LV, MAX 120KTL3-X LV, MAX 125KTL3-X LV, MAX 133KTL3-X LV MAX 80KTL3-X2 LV, MAX 100KTL3-X2 LV, MAX 110KTL3-X2 LV, MAX 120KTL3-X2 LV, MAX 125KTL3-X2 LV, MAX 133KTL3-X2 LV |
| Brand Name<s>: | GROWATT |
| Product Complies with: | UNE 217001: 2020 Requirements and tests for systems intended to avoid the energy transmission to the distribution network Type approval and compliance according to requirements of Anexo I, ITC-BT-40(RD 244/2019) |
| Certificate Issuing Office Name & Address: | Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012 |
| Test Report No.<s>: | 230314166GZU-001 |

Additional information in Appendix.



Signature

Certification Manager: Grady Ye
Date: 08 June 2023



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230317.

| Model | MAX 80KTL3-X LV | MAX 100KTL3-X LV | MAX 110KTL3-X LV |
|-------------------------------|--------------------------|------------------|------------------|
| Max.PV voltage | 1100Vdc | | |
| PV voltage range | 180V – 1000Vdc | | |
| Max.input current | 32A*7 | 32A*10 | |
| PV Isc | 40A*7 | 40A*10 | |
| Number of strings per MPPT | 2 | | |
| Nominal output voltage | 3W/N/PE, 230/400Vac | | |
| Nominal output Frequency | 50Hz | | |
| Max. output current | 133.7A | 167.1A | 183.8A |
| Max. output power | 80KW | 100KW | 110KW |
| Max. apparent power | 88KVA | 110KVA | 121KVA |
| Power factor range | 0.8Leading – 0.8 lagging | | |
| Safety level | Class I | | |
| Ingress Protection | IP 66 | | |
| Operation Ambient Temperature | -30°C - +60°C | | |
| Software version | TN1.0 | | |

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| Model | MAX 120KTL3-X LV | MAX 125KTL3-X LV | MAX 133KTL3-X LV |
|-------------------------------|--------------------------|------------------|------------------|
| Max.PV voltage | 1100Vdc | | |
| PV voltage range | 180V – 1000Vdc | | |
| Max.input current | 32A*10 | | |
| PV Isc | 40A*10 | | |
| Number of strings per MPPT | 2 | | |
| Nominal output voltage | 3W/N/PE, 230/400Vac | | |
| Nominal output Frequency | 50Hz | | |
| Max. output current | 200.5A | 208.9A | 222.3A |
| Max. output power | 120KW | 125KW | 133KW |
| Max.apparent power | 132KVA | 137.5KVA | 146.3KVA |
| Power factor range | 0.8Leading – 0.8 lagging | | |
| Safety level | Class I | | |
| Ingress Protection | IP 66 | | |
| Operation Ambient Temperature | -30°C - +60°C | | |
| Software version | TN1.0 | | |

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| Model | MAX 80KTL3-X2 LV | MAX 100KTL3-X2 LV | MAX 110KTL3-X2 LV |
|-------------------------------|--------------------------|-------------------|-------------------|
| Max.PV voltage | 1100Vdc | | |
| PV voltage range | 180V – 1000Vdc | | |
| Max.input current | 45A*8 | | |
| PV Isc | 56.5A*8 | | |
| Number of strings per MPPT | 2 | | |
| Nominal output voltage | 3W/N/PE, 230/400Vac | | |
| Nominal output Frequency | 50Hz | | |
| Max. output current | 133.7A | 167.1A | 183.8A |
| Max. output power | 80KW | 100KW | 110KW |
| Max. apparent power | 88KVA | 110KVA | 121KVA |
| Power factor range | 0.8Leading – 0.8 lagging | | |
| Safety level | Class I | | |
| Ingress Protection | IP 66 | | |
| Operation Ambient Temperature | -30°C - +60°C | | |
| Software version | TN1.0 | | |

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| Model | MAX 120KTL3-X2 LV | MAX 125KTL3-X2 LV | MAX 133KTL3-X2 LV |
|-------------------------------|--------------------------|-------------------|-------------------|
| Max.PV voltage | 1100Vdc | | |
| PV voltage range | 180V – 1000Vdc | | |
| Max.input current | 45A*8 | | |
| PV Isc | 56.5A*8 | | |
| Number of strings per MPPT | 2 | | |
| Nominal output voltage | 3W/N/PE, 230/400Vac | | |
| Nominal output Frequency | 50Hz | | |
| Max. output current | 200.5A | 208.9A | 222.3A |
| Max. output power | 120KW | 125KW | 133KW |
| Max.apparent power | 132KVA | 137.5KVA | 146.3KVA |
| Power factor range | 0.8Leading – 0.8 lagging | | |
| Safety level | Class I | | |
| Ingress Protection | IP 66 | | |
| Operation Ambient Temperature | -30°C - +60°C | | |
| Software version | TN1.0 | | |

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This is an Appendix to Certificate of Conformity Number: CN-PV-230317.

List of installation components 1:

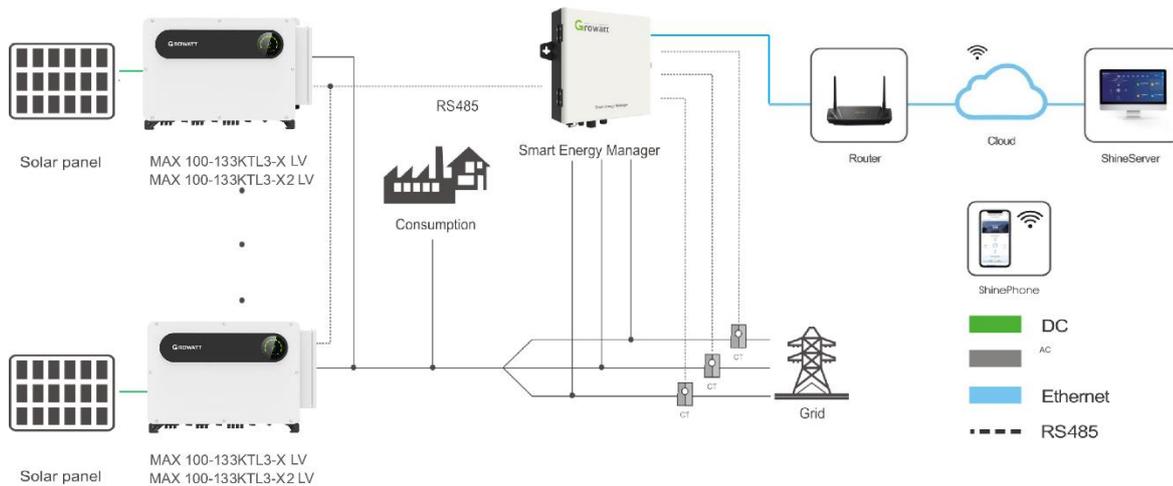
| | |
|---|--|
| Type of appliance/ Installation.....: | Three-Phase Smart meter / DIN-Rail |
| Manufacturer / Distributor / Installer: | Zhejiang CHINT Instrument&Meter Co., Ltd. |
| Brand.....: | CHINT |
| Model/Type.....: | DTSU666 |
| Rating.....: | 230/400Vac, 0.05~1.5(6)A with CT1 (Trade mark: Acrel, Model: AKH-0.66-K-60*40, Ratio 600:5); CT2 (Trade mark: Acrel, Model: AKH-0.66-K-160*80, Ratio 2000:5); CT3 ((Trade mark: Acrel, Model: AKH-0.66-K-160*80, Ratio 4000:5); 50/60Hz, 6400imp/KWh Power accuracy:1% IP54 |
| Type of appliance/ Installation.....: | Firmware Version:V3.09 |
| Manufacturer / Distributor / Installer: | Smart Energy Manager |
| Brand.....: | Shenzhen Growatt New Energy Co., Ltd |
| Model/Type.....: | GROWATT |
| Rating.....: | SEM AC input: 3W/N/PE, 230V/400Vac, 50/60Hz AC voltage Range: 180-540Vac AC nominal current: 5A IP66, -25 °C - +60 °C |

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Installation scheme:



Maximum number of inverters to be connected in parallel is:

- Using smart meter DTSU666 combined with CT (Trade mark: Acrel, Model: AKH-0.66-K-60*40, Ratio 600:5), maximum number of inverters connected in parallel are 2
- Using smart meter DTSU666 combined with CT (Trade mark: Acrel, Model: AKH-0.66-K-160*80, Ratio 2000:5), maximum number of inverters connected in parallel are 9
- Using smart meter DSTU666 combined with CT (Trade mark: Acrel, Model: AKH-0.66-K-160*80, Ratio 4000:5), maximum number of inverters connected in parallel are 11

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