Certificate of Conformity (COC)



Certificate Holder : NingBo Deye Inverter Technology Co., Ltd.

No. 26 South Yongjiang Road, Daqi, Beilun, Ningbo, China

Date of Original Issue : 2024-03-26

Date of Last Revision : 2025-06-18

Date of Expiry : 2027-03-25

Certificate Number : PCS-24-1021/M1

Product : Hybrid Inverter

Ratings : See appendix on page 2 to page 7

Brand/Trademark :

Model : See appendix on page 2 to page 7

Test Laboratory : SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Testing Report : GZES230901617301 Amendment 02, GZES230901617302 Amendment 02,

GZES230901617303 Amendment 02 and GZES230901617304 Amendment 02

Test Standard : IEC 62116:2014, IEC 61727:2004, IEC 61683:1999, IEC 60068-2-1:2007,

IEC 60068-2-2:2007, IEC 60068-2-14:2009 and IEC 60068-2-30:2005

This is to certify that the product has been tested and was found to comply with the requirements of the standard(s). The above-mentioned product is certified according to the requirements of ISO/IEC 17065:2012.

This certificate superseded the certificate number PCS-24-1021 dated 2024-03-26 due to additional and deletion of models and firmware version update. For further details, please refer to test reports.

Christopher Hee
Certification Officer

SGS Testing & Control Services Singapore Pte Ltd 30 Boon Lay Way #03-01 Singapore 609957







APPENDIX

Certificate Number: PCS-24-1021/M1

| | 17.7 | 196865F- 16868F- 6 | 3010101010101010101010 | 105050303 | | |
|--|---|--|---------------------------|---------------------------|---------------------------------|---------------------------|
| Product Model | SUN- 3.6K- SG05LP1 -EU | SUN-5K- SG05LP1 -EU | SUN-6K- SG05LP1 -EU | SUN-7K- SG05LP1 -EU | SUN- 7.6K- SG05LP1 -EU | SUN-8K- SG05LP1 -EU |
| PV Input | | | | | | |
| Max.DC Input Power (W) | 5760 | 8000 | 9600 | 11200 | 12160 | 12800 |
| Max.DC Voltage (V) | 77.5650.5050.50 6500.00 | USOLUSIUS CASCAGO | 50 | 00 | | |
| Start-up Voltage (V) | CSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSG | 100 100 100 100 100 100 100 100 100 100 | 12 | 25 | | |
| Rated input voltage (V) | enna Wiggins | A STATE OF THE STA | 37 | 70 | | |
| MPPT Voltage Range (V) | | Proposition of the second | 150- | -425 | | |
| Full Load MPPT Voltage Range (V) | | 300~425 | 10101030505 | | 200~425 | |
| Max. Operating PV Input Current (A) | | 13+13 | GSG505050 | | 26+26 | |
| Max. Input Short-Circuit Current (A) | 17+17 34+34 | | | | | |
| No. of MPP Trackers/No. of Strings MPP Tracker | 2/1+1 2/2+2 | | | | | |
| Battery Input | | | | | | |
| Battery Type | Lead-acid or Lithium-ion | | | | | |
| Battery Voltage Range (V) | | | 40- | -60 | | |
| Max. Charging Current (A) | 90 | 120 | 135 | 175 | 190 | 190 |
| Max. Discharging Current (A) | 90 | 120 | 135 | 175 | 190 | 190 |
| AC Output | | | | | | |
| Rated AC Output Active Power (W) | 3600 | 5000 | 6000 | 7000 | 7600 | 8000 |
| Max. AC Output Apparent Power (VA) | 3960 | 5500 | 6600 | 7700 | 8360 | 8800 |
| Max AC Output Current (A) | 17.2 | 23.9 | 28.7 | 33.5 | 36.3 | 38.3 |
| Rated AC Output Current (A) | 15.7 | 21.7 | 26.1 | 30.5 | 33 | 34.8 |
| Rated Output Voltage (V) | 230 | | | | | |
| Nominal Frequency (Hz) | 50 | | | | | |
| Power Factor Adjustment Range | 0.8 leading0.8 lagging | | | | | |
| Topology | Non-Isolated | | | | | |
| Operating temperature range | -40 to +60 °C (>45 °C Derating) | | | | | |
| Ingress Protection(IP) Rating | IP65 | | | | | |
| | | | | | | |







APPENDIX

Certificate Number: PCS-24-1021/M1

| Product Model | SUN-7K-SG05LP1-EU- SM2 | SUN-7.6K-SG05LP1-EU- SM2 | SUN-8K-SG05LP1-EU- SM2 | | | | | | |
|--|--|-----------------------------|---------------------------|--|--|--|--|--|--|
| PV Input | | | | | | | | | |
| Max.DC Input Power (W) | 11200 | 12160 | 12800 | | | | | | |
| Max.DC Voltage (V) | TO SECURE A CONTRACTOR OF THE PARTY OF THE P | 500 | | | | | | | |
| Start-up input voltage (V) | GSGSCSCS GSGSCSCSCSCSCSCSCSCSCSCSCSCSCSC | 125 | | | | | | | |
| Rated input voltage (V) | THE RESERVE TO SERVE THE RESERVE THE RESERVE TO SERVE THE RESERVE THE | 370 | | | | | | | |
| MPPT Voltage Range (V) | The state of the s | 150~425 | | | | | | | |
| Full load DC voltage range (V) | Makanana and Andrews | 200~425 | | | | | | | |
| Max. Operating PV Input Current(A) | CSD V | 26+26 | | | | | | | |
| Max. short current (A) | | 34+34 | | | | | | | |
| No. of MPP Trackers/No. of Strings MPP Tracker | | | | | | | | | |
| Battery Input | | | | | | | | | |
| Battery Type | Lead-acid or Lithium-ion | | | | | | | | |
| Battery Voltage Range (V) | | 40-60 | | | | | | | |
| Max. Charging Current (A) | 175 | 190 | 190 | | | | | | |
| Max. Discharging Current (A) | 175 190 190 | | | | | | | | |
| AC Output | | | | | | | | | |
| Rated AC Output Active Power (W) | 7000 | 7600 | 8000 | | | | | | |
| Max. AC Output Apparent Power (VA) | 7700 | 7700 8360 | | | | | | | |
| Max AC Output Current (A) | 33.5 | 33.5 36.4 | | | | | | | |
| Rated AC Output Current (A) | 30.5 33.1 | | 34.8 | | | | | | |
| Rated Output Voltage (V) | 230 | | | | | | | | |
| Nominal Frequency (Hz) | SCHOOL CONTRACTOR CONT | 50 | 565 605/03-200 | | | | | | |
| Power Factor Adjustment Range | 0.8 leading0.8 lagging | | | | | | | | |
| Topology | Non-Isolated | | | | | | | | |
| Operating temperature range | -40 to +60 °C (>45 °C Derating) | | | | | | | | |
| Ingress Protection(IP) Rating | IP65 | | | | | | | | |







Certificate Number: PCS-24-1021/M1

| Product Model | SUN-3.6K- SG05LP1- | SUN-5K- SG05LP1- | SUN-6K- SG05LP1- | SUN-7K- SG05LP1- | SUN-7.6K- SG05LP1- | SUN-8K- SG05LP1- | |
|------------------------------------|--|--|--|---------------------|-----------------------|---------------------|--|
| | EU-SM2-P | EU-SM2-P | EU-SM2-P | EU-SM2-P | EU-SM2-P | EU-SM2-P | |
| PV Input | | | | | | | |
| Max.DC Input Power (W) | 5760 | 8000 | 9600 | 11200 | 12160 | 12800 | |
| Max.DC Voltage (V) | 10505 | SERVICE SUSCESSION | 50 | 00 | | | |
| Start-up input voltage (V) | 16363050 | | 12 | 25 | | | |
| Rated input voltage (V) | STATE OF THE PARTY | | 3 | 70 | | | |
| MPPT Voltage Range (V) | Tidelia. | The state of the s | 150- | ~425 | | | |
| Full load DC voltage range (V) | Chesiones at | 300~425 | 1967 CS DS | SC | 200~425 | | |
| Max. Operating PV Input Current(A) | 25050 F0 50 50 50 50 50 50 50 50 50 50 50 50 50 | 18+18 | T-1-1-10-03-03-0 | 1 | 32+32 | | |
| Max. short current (A) | 1030001410101 | 27+27 | 100000000000000000000000000000000000000 | | 48+48 | | |
| No. of MPP Trackers/No. of Strings | 0/4.4 | | | | | | |
| MPP Tracker | 2/1+1 2/2+2 | | | | | | |
| Battery Input | | | | | | | |
| Battery Type | Lead-acid or Lithium-ion | | | | | | |
| Battery Voltage Range (V) | | | 40 | -60 | | | |
| Max. Charging Current (A) | 90 | 120 | 135 | 175 | 190 | 190 | |
| Max. Discharging Current (A) | 90 | 120 | 135 | 175 | 190 | 190 | |
| AC Output | | | | | | | |
| Rated AC Output Active Power (W) | 3600 | 5000 | 6000 | 7000 | 7600 | 8000 | |
| Max. AC Output Apparent Power (VA) | 3960 | 5500 | 6600 | 7700 | 8360 | 8800 | |
| Max AC Output Current (A) | 17.3 | 24.0 | 28.7 | 33.5 | 36.4 | 38.3 | |
| Rated AC Output Current (A) | 15.7 | 21.8 | 26.1 | 30.5 | 33.1 | 34.8 | |
| Rated Output Voltage (V) | 230 | | | | | | |
| Nominal Frequency (Hz) | 50 | | | | | | |
| Power Factor Adjustment Range | 0.8 leading0.8 lagging | | | | | | |
| Topology | Non-Isolated | | | | | | |
| Operating temperature range | -40 to +60 °C (>45 °C Derating) | | | | | | |
| Ingress Protection(IP) Rating | IP65 | | | | | | |
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Certificate Number: PCS-24-1021/M1

| Product Model | SUN-3.6K- SG05LP1- EU-AM2-P | SUN-5K- SG05LP1- EU-AM2-P | SUN-6K- SG05LP1- EU-AM2-P | SUN-7K- SG05LP1- EU-AM2-P | SUN-7.6K- SG05LP1- EU-AM2-P | SUN-8K- SG05LP1- EU-AM2-P |
|---|--|---|--|---------------------------------|-----------------------------------|---------------------------------|
| PV Input | | | | | | |
| Max.DC Input Power (W) | 5760 | 8000 | 9600 | 11200 | 12160 | 12800 |
| Max.DC Voltage (V) | -90505050 | SCHOOL SERVICE | 50 | 00 | III | |
| Start-up input voltage (V) | Village Property | No season and season and | 12 | 25 | | |
| Rated input voltage (V) | 163630565 | AGE TO BUS OF THE REAL PROPERTY. | 37 | 0 | | |
| MPPT Voltage Range (V) | GSTOCK CO. | TO SERVICE OF THE PARTY OF THE | 150~ | 425 | | |
| Full load DC voltage range (V) | Tiesnin. | 300~425 | 1410-00-00-00-00-00-00-00-00-00-00-00-00-0 | i i | 200~425 | |
| Max. Operating PV Input Current(A) | CHARLES IN | 18+18 | 1010368 | | 32+32 | |
| Max. short current (A) | 120GSDSC | 27+27 | 20 05 05 05 05 05 05 05 05 05 05 05 05 05 | | 48+48 | |
| No. of MPP Trackers/No. of Strings MPP Tracker | 2/1+1 2/2+2 | | | | | |
| Battery Input | | | | | | |
| Battery Type | Lead-acid or Lithium-ion | | | | | |
| Battery Voltage Range (V) | | | 40- | 60 | | |
| Max. Charging Current (A) | 90 | 120 | 135 | 175 | 190 | 190 |
| Max. Discharging Current (A) | 90 | 120 | 135 | 175 | 190 | 190 |
| AC Output | | | | | | |
| Rated AC Output Active Power (W) | 3600 | 5000 | 6000 | 7000 | 7600 | 8000 |
| Max. AC Output Apparent Power (VA) | 3960 | 5500 | 6600 | 7700 | 8360 | 8800 |
| Max AC Output Current (A) | 17.2 | 23.9 | 28.7 | 33.5 | 36.3 | 38.3 |
| Rated AC Output Current (A) | 15.7 | 21.7 | 26.1 | 30.5 | 33.0 | 34.8 |
| Rated Output Voltage (V) | GSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGSGS | SCHOOL CARRY | 23 | 30 | | |
| Nominal Frequency (Hz) | 50 | | | | | |
| Power Factor Adjustment Range | 0.8 leading0.8 lagging | | | | | |
| Topology | Non-Isolated Non-Isolated | | | | | |
| Operating temperature range | -40 to +60 °C (>45 °C Derating) | | | | | |
| Ingress Protection(IP) Rating | IP65 | | | | | |







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| | | 36505656 | GS1 109630 - 1568030 | \$05656505056565 | | | |
|---|--|----------------------|----------------------|----------------------|------------------------|----------------------|--|
| Product Model | AI-W5.1- 3.6P1-EU-B | AI-W5.1- 5P1-EU-B | AI-W5.1- 6P1-EU-B | AI-W5.1- 7P1-EU-B | Al-W5.1- 7.6P1-EU-B | AI-W5.1- 8P1-EU-B | |
| PV Input | | | | | | | |
| Max.DC Input Power (W) | 5760 | 8000 | 9600 | 11200 | 12160 | 12800 | |
| Max.DC Voltage (V) | 70365650 20365650 | SCHOOL SCHOOL | 50 | 00 | | | |
| Start-up input voltage (V) | 1 20200000 | Charles to the | 12 | 25 | | | |
| Rated input voltage (V) | GSGSGSGS | SESSEE STREET | 37 | 0 | | | |
| MPPT Voltage Range (V) | The Contractor | | 150~ | 425 | | | |
| Full load DC voltage range (V) | Page Control | 300~425 | 14805C5C5C5C5G5G5G | 10 | 200~425 | | |
| Max. Operating PV Input Current(A) | A STATE OF THE STA | 18+18 | G104 1401-150565686 | | 32+32 | | |
| Max. short current (A) | 27+27 48+48 | | | | | | |
| No. of MPP Trackers/No. of Strings MPP Tracker | 2/1+1 2/2+2 | | | | | | |
| Battery Input | | | | • | | | |
| Battery Type | Lead-acid or Lithium-ion | | | | | | |
| Battery Voltage Range (V) | Glososci de la companya de la compan | | 40- | 60 | | | |
| Max. Charging Current (A) | 90 | 120 | 135 | 175 | 190 | 190 | |
| Max. Discharging Current (A) | 90 | 120 | 135 | 175 | 190 | 190 | |
| AC Output | | | | | | | |
| Rated AC Output Active Power (W) | 3600 | 5000 | 6000 | 7000 | 7600 | 8000 | |
| Max. AC Output Apparent Power (VA) | 3960 | 5500 | 6600 | 7700 | 8360 | 8800 | |
| Max AC Output Current (A) | 17.2 | 23.9 | 28.7 | 33.5 | 36.3 | 38.3 | |
| Rated AC Output Current (A) | 15.7 | 21.7 | 26.1 | 30.5 | 33.0 | 34.8 | |
| Rated Output Voltage (V) | 230 | | | | | | |
| Nominal Frequency (Hz) | 50 | | | | | | |
| Power Factor Adjustment Range | 0.8 leading0.8 lagging | | | | | | |
| Topology | Non-Isolated | | | | | | |
| Operating temperature range | -40 to +60 °C (>45 °C Derating) | | | | | | |
| Ingress Protection(IP) Rating | IP65 | | | | | | |







Certificate Number: PCS-24-1021/M1

| Product Model | SUN-10K- SG05LP1-EU | SUN-10K- SG05LP1-EU- SM2 | SUN-10K- SG05LP1-EU- SM2-P | AI-W5.1- 10P1-EU-B | SUN-10K- SG05LP1-EU- AM2-P | | | | |
|--|--|----------------------------------|----------------------------------|-----------------------|----------------------------------|--|--|--|--|
| PV Input | | | | | • | | | | |
| Max.DC Input Power (W) | 16000 | 16000 | 16000 | 16000 | 16000 | | | | |
| Max.DC Voltage (V) | 500 | | | | | | | | |
| Start-up Voltage (V) | 125 | | | | | | | | |
| Rated input voltage (V) | Gamana Total | SES SCHOOL STREET, SCHOOL SCHOOL | 370 | | | | | | |
| MPPT Voltage Range (V) | THE RESERVE OF THE PARTY OF THE | The second second | 150~425 | | | | | | |
| Full Load MPPT Voltage Range (V) | 250~425 | 250-425 | 250-425 | 250-425 | 250-425 | | | | |
| Max. Operating PV Input Current (A) | 26+26 | 26+26 | 32+32 | 32+32 | 32+32 | | | | |
| Max. Input Short-Circuit Current (A) | 34+34 | 34+34 | 48+48 | 48+48 | 48+48 | | | | |
| No. of MPP Trackers/No. of Strings MPP | 2/2+2 | 2/2+2 | 2/2+2 | 2/2+2 | 2/2+2 | | | | |
| Tracker | 2/2+2 | 2/2+2 | 2/2+2 | 2/2+2 | 2/2+2 | | | | |
| Battery Input | | | | | | | | | |
| Battery Type | Lead-acid or Lithium-ion | | | | | | | | |
| Battery Voltage Range (V) | MAGNET STATE OF THE STATE OF TH | | 40-60 | | | | | | |
| Max. Charging Current (A) | 210 | 210 | 210 | 210 | 210 | | | | |
| Max. Discharging Current (A) | 210 | 210 | 210 | 210 | 210 | | | | |
| AC Output | | | | | | | | | |
| Rated AC Output Active Power (W) | 10000 | 10000 | 10000 | 10000 | 10000 | | | | |
| Max. AC Output Apparent Power (VA) | 11000 | 11000 | 11000 | 11000 | 11000 | | | | |
| Max AC Output Current (A) | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | | | | |
| Rated AC Output Current (A) | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | | | | |
| Rated Output Voltage (V) | 230 | | | | | | | | |
| Nominal Frequency (Hz) | 50 | | | | | | | | |
| Power Factor Adjustment Range | 0.8 leading0.8 lagging | | | | | | | | |
| Topology | Non-Isolated Non-Isolated | | | | | | | | |
| Operating temperature range | -40 to +60 °C (>45 °C Derating) | | | | | | | | |
| Ingress Protection(IP) Rating | IP65 | | | | | | | | |



