

Test Verification of Conformity

Verification Number: 2312A0643SHA-V1

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant  mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

| | |
|---|---|
| Applicant Name & Address: | SUNWAY SOLAR Co., Ltd. Building 7, Cross-border E-commerce Supervision Zone, Huguang Road, Shushan District, Hefei City, Anhui Province, China |
| Product Description: Ratings & Principle Characteristics: | Hybrid inverter / AC Coupled inverter See Appendix |
| Models/Type References: | SW*LP1EU0 (*= 1K, 1.5K, 2K, 2.5K, 3K, 3.6K, 4K, 4.6K, 5K, 5.5K, 6K) SW*LP1-EU1 (*= 1K, 1.5K, 2K, 2.5K, 3K, 3.6K) SW*LP1-EU (*= 3K, 3.6K, 4K, 4.6K, 5K, 5.5K, 6K) SW*LP1-EU2 (*=4K, 4.6K, 5K, 5.5K, 6K) |
| Brand Name: |  SUNWAYTECH |
| Relevant Standards/Directives: | EN IEC 61000-6-3:2021; EN IEC 61000-6-1:2019; EN IEC 61000-3-11:2019; EN 61000-3-12:2011 the EMC Directive 2014/30/EU |
| Verification Issuing Office Name & Address: | Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China |
| Test Report Number(s): | 2312A0643SHA-001 |


Signature

Name: Max Jin

Position: General Manager

Date: 2024-01-17

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 2312A0643SHA-V1.

| Specifications table | | | | | |
|--------------------------------------|------------------------|---------------|-------------|---------------|-------------|
| Model | SW1KLP1-EU1 | SW1.5KLP1-EU1 | SW2KLP1-EU1 | SW2.5KLP1-EU1 | SW3KLP1-EU1 |
| PV input | | | | | |
| P pv Max(W) | 1500 | 2300 | 3000 | 3800 | 4500 |
| Vmax PV (Vdc) (absolute Max.) | 550 | 550 | 550 | 550 | 550 |
| Isc PV (absolute Max.) (A) | 26 | 26 | 26 | 26 | 26 |
| Number MPP trackers | 1 | 1 | 1 | 1 | 1 |
| Number input strings | 1 | 1 | 1 | 1 | 1 |
| Max. PV input current / strings (A) | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 |
| MPPT voltage range (Vdc) | 80-500 | 80-500 | 80-500 | 80-500 | 80-500 |
| Vdc range @ full power (Vdc) | 80-500 | 90-500 | 120-500 | 150-500 | 170-500 |
| Battery (charge/discharge) | | | | | |
| Battery type | Li-ion/Lead-acid etc. | | | | |
| Battery Normal Voltage (Range) (Vdc) | 51.2V (40-60V) | | | | |
| Max charge/discharge Current(A) | 25 | 40 | 50 | 63 | 80 |
| Max charge/discharge Power(W) | 1000 | 1500 | 2000 | 2500 | 3000 |
| AC Grid (input and output) | | | | | |
| Normal AC Voltage (VAC) | L/N/PE, 220Vac, 230Vac | | | | |
| Frequency (Hz) | 50 / 60 | | | | |
| Normal AC Current (A) | 4.4 | 6.6 | 8.7 | 10.9 | 13.1 |
| Max. cont. input/output current (A) | 5 | 7 | 10 | 12 | 14 |
| Rated Power(W) | 1000 | 1500 | 2000 | 2500 | 3000 |

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| Specifications table | | | | | |
|-------------------------------------|--------------------------------|---------------|-------------|---------------|-------------|
| Model | SW1KLP1-EU1 | SW1.5KLP1-EU1 | SW2KLP1-EU1 | SW2.5KLP1-EU1 | SW3KLP1-EU1 |
| Rated Apparent Power (VA) | 1000 | 1500 | 2000 | 2500 | 3000 |
| Max. cont. Power (W) | 1000 | 1500 | 2000 | 2500 | 3000 |
| Max. cont. Apparent Power (VA) | 1000 | 1500 | 2000 | 2500 | 3000 |
| Power factor (adjustable) | 1.0(-0.8~ +0.8) | | | | |
| AC Load output (stand alone) | | | | | |
| Normal Voltage (VAC) | L/N/PE, 220Vac, 230Vac | | | | |
| Frequency (Hz) | 50 / 60 | | | | |
| Nominal Current(A) | 4.4 | 6.6 | 8.7 | 10.9 | 13.1 |
| Max. cont. current (A) | 5 | 7 | 10 | 12 | 14 |
| Max. cont. Power (W) | 1000 | 1500 | 2000 | 2500 | 3000 |
| Rated Apparent Power (VA) | 1000 | 1500 | 2000 | 2500 | 3000 |
| Max. cont. Apparent Power (VA) | 1000 | 1500 | 2000 | 2500 | 3000 |
| Power factor | 1.0 | | | | |
| Others | | | | | |
| Ingress protection (IP) | IP65 | | | | |
| Protective class | Class I | | | | |
| Temperature (°C) | -25°C to +60°C (Derating 45°C) | | | | |
| Inverter Isolation | Non-isolated (PV - AC - BAT) | | | | |
| Overvoltage category | OVC III (AC Main), OVC II (PV) | | | | |
| Firmware | 1.01 | | | | |

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| Specifications table | | | | |
|--------------------------------------|------------------------|------------|--------------|------------|
| Model | SW3.6KLP1-EU1 | SW3KLP1-EU | SW3.6KLP1-EU | SW4KLP1-EU |
| PV input | | | | |
| P pv Max(W) | 5400 | 4500 | 5400 | 6000 |
| Vmax PV (Vdc) (absolute Max.) | 550 | 550 | 550 | 550 |
| Isc PV (absolute Max.) (A) | 26 | 26 x 2 | 26 x 2 | 26 x 2 |
| Number MPP trackers | 1 | 2 | 2 | 2 |
| Number input strings | 1 | 1/1 | 1/1 | 1/1 |
| Max. PV input current / strings (A) | 18.5 | 18.5 x 2 | 18.5 x 2 | 18.5 x 2 |
| MPPT voltage range (Vdc) | 80-500 | 80-500 | 80-500 | 80-500 |
| Vdc range @ full power (Vdc) | 210-500 | 90-500 | 110-500 | 120-500 |
| Battery (charge/discharge) | | | | |
| Battery type | Li-ion/Lead-acid etc. | | | |
| Battery Normal Voltage (Range) (Vdc) | 51.2V (40-60V) | | | |
| Max charge/discharge Current(A) | 80 | 80 | 80 | 80 |
| Max charge/discharge Power(W) | 3600 | 3000 | 3600 | 4000 |
| AC Grid (input and output) | | | | |
| Normal AC Voltage (VAC) | L/N/PE, 220Vac, 230Vac | | | |
| Frequency (Hz) | 50 / 60 | | | |
| Normal AC Current (A) | 15.7 | 13.1 | 15.7 | 17.4 |
| Max. cont. input/output current (A) | 17 | 14 | 17 | 19 |
| Normal Power (W) | 3600 | 3000 | 3600 | 4000 |
| Rated Apparent Power (VA) | 3600 | 3000 | 3600 | 4000 |
| Max. cont. input/output Power (W) | 3600 | 3000 | 3600 | 4000 |
| Max. cont. Apparent Power (VA) | 3600 | 3000 | 3600 | 4000 |

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| Specifications table | | | | |
|-------------------------------------|--------------------------------|------------|--------------|------------|
| Model | SW3.6KLP1-EU1 | SW3KLP1-EU | SW3.6KLP1-EU | SW4KLP1-EU |
| Power factor(adjustable) | 1.0(-0.8~ +0.8) | | | |
| AC Load output (stand alone) | | | | |
| Normal Voltage (VAC) | L/N/PE, 220Vac, 230Vac | | | |
| Frequency (Hz) | 50 / 60 | | | |
| Nominal Current (A) | 15.7 | 13.1 | 15.7 | 17.4 |
| Max. cont. current (A) | 17 | 14 | 17 | 19 |
| Max. cont. Power (W) | 3600 | 3000 | 3600 | 4000 |
| Rated Apparent Power (VA) | 3600 | 3000 | 3600 | 4000 |
| Max. cont. Apparent Power (VA) | 3600 | 3000 | 3600 | 4000 |
| Power factor | 1.0 | | | |
| Others | | | | |
| Ingress protection (IP) | IP65 | | | |
| Protective class | Class I | | | |
| Temperature (°C) | -25°C to +60°C (Derating 45°C) | | | |
| Inverter Isolation | Non-isolated (PV - AC - BAT) | | | |
| Overtoltage category | OVC III (AC Main), OVC II (PV) | | | |
| Firmware | 1.01 | | | |

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| Specifications table | | | | |
|--------------------------------------|------------------------|------------|--------------|------------|
| Model | SW4.6KLP1-EU | SW5KLP1-EU | SW5.5KLP1-EU | SW6KLP1-EU |
| PV input | | | | |
| P pv Max(W) | 6900 | 7500 | 8300 | 9000 |
| Vmax PV (Vdc) (absolute Max.) | 550 | 550 | 550 | 550 |
| Isc PV (absolute Max.) (A) | 26 x 2 | 26 x 2 | 26 x 2 | 26 x 2 |
| Max. PV input current / strings (A) | 18.5 x 2 | 18.5 x 2 | 18.5 x 2 | 18.5 x 2 |
| Number MPP trackers | 2 | 2 | 2 | 2 |
| Number input strings | 1/1 | 1/1 | 1/1 | 1/1 |
| MPPT voltage range (Vdc) | 80-500 | 80-500 | 80-500 | 80-500 |
| Vdc range @ full power (Vdc) | 130-500 | 150-500 | 160-500 | 170-500 |
| Battery (charge/discharge) | | | | |
| Battery type | Li-ion/Lead-acid etc. | | | |
| Battery Normal Voltage (Range) (Vdc) | 51.2V (40-60V) | | | |
| Max charge/discharge Current(A) | 80 | 80 | 80 | 80 |
| Max charge/discharge Power(W) | 4600 | 4800 | 4800 | 4800 |
| AC Grid (input and output) | | | | |
| Normal AC Voltage (VAC) | L/N/PE, 220Vac, 230Vac | | | |
| Frequency (Hz) | 50 / 60 | | | |
| Normal AC Current (A) | 20 | 21.8 | 24 | 26.1 |
| Max. cont. input/output current (A) | 22 | 23 | 26 | 28 |
| Normal Power (W) | 4600 | 5000 | 5500 | 6000 |
| Rated Apparent Power (VA) | 4600 | 5000 | 5500 | 6000 |
| Max. cont. input/output Power (W) | 4600 | 5000 | 5500 | 6000 |
| Max. cont. Apparent Power (VA) | 4600 | 5000 | 5500 | 6000 |

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| Specifications table | | | | |
|-------------------------------------|--------------------------------|------------|--------------|------------|
| Model | SW4.6KLP1-EU | SW5KLP1-EU | SW5.5KLP1-EU | SW6KLP1-EU |
| Power factor(adjustable) | 1.0(-0.8~ +0.8) | | | |
| AC Load output (stand alone) | | | | |
| Normal Voltage (VAC) | L/N/PE, 220Vac, 230Vac | | | |
| Frequency (Hz) | 50 / 60 | | | |
| Nominal Current(A) | 20 | 21.8 | 24 | 26.1 |
| Max. cont. current (A) | 22 | 23 | 26 | 28 |
| Max. cont. Power (W) | 4600 | 5000 | 5500 | 6000 |
| Rated Apparent Power (VA) | 4600 | 5000 | 5500 | 6000 |
| Max. cont. Apparent Power (VA) | 4600 | 5000 | 5500 | 6000 |
| Power factor | 1.0 | | | |
| Others | | | | |
| Ingress protection (IP) | IP65 | | | |
| Protective class | Class I | | | |
| Temperature (°C) | -25°C to +60°C (Derating 45°C) | | | |
| Inverter Isolation | Non-isolated (PV - AC - BAT) | | | |
| Overvoltage category | OVC III (AC Main), OVC II (PV) | | | |
| Firmware | 1.01 | | | |

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| Specifications table | | | | |
|--------------------------------------|------------------------|--------------|------------|--------------|
| Model | SW1KLP1EU0 | SW1.5KLP1EU0 | SW2KLP1EU0 | SW2.5KLP1EU0 |
| Battery (charge/discharge) | | | | |
| Battery type | Li-ion/Lead-acid etc. | | | |
| Battery Normal Voltage (Range) (Vdc) | 51.2V (40-60V) | | | |
| Max charge/discharge Current(A) | 25 | 40 | 50 | 63 |
| Max charge/discharge Power(W) | 1000 | 1500 | 2000 | 2500 |
| AC Grid (input and output) | | | | |
| Normal AC Voltage (VAC) | L/N/PE, 220Vac, 230Vac | | | |
| Frequency (Hz) | 50 / 60 | | | |
| Normal AC Current (A) | 4.4 | 6.6 | 8.7 | 10.9 |
| Max. cont. input/output current (A) | 5 | 7 | 10 | 12 |
| Normal Power (W) | 1000 | 1500 | 2000 | 2500 |
| Rated Apparent Power (VA) | 1000 | 1500 | 2000 | 2500 |
| Max. cont. input/output Power (W) | 1000 | 1500 | 2000 | 2500 |
| Max. cont. Apparent Power (VA) | 1000 | 1500 | 2000 | 2500 |
| Power factor(adjustable) | 1.0(-0.8~ +0.8) | | | |
| AC Load output (stand alone) | | | | |
| Normal Voltage (VAC) | L/N/PE, 220Vac, 230Vac | | | |
| Frequency (Hz) | 50 / 60 | | | |
| Nominal Current (A) | 4.4 | 6.6 | 8.7 | 10.9 |
| Max. cont. current (A) | 5 | 7 | 10 | 12 |
| Max. cont. Power (W) | 1000 | 1500 | 2000 | 2500 |
| Rated Apparent Power (VA) | 1000 | 1500 | 2000 | 2500 |
| Max. cont. Apparent Power (VA) | 1000 | 1500 | 2000 | 2500 |

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| Specifications table | | | | |
|-------------------------|--------------------------------|--------------|------------|--------------|
| Model | SW1KLP1EU0 | SW1.5KLP1EU0 | SW2KLP1EU0 | SW2.5KLP1EU0 |
| Power factor | 1.0 | | | |
| Others | | | | |
| Ingress protection (IP) | IP65 | | | |
| Protective class | Class I | | | |
| Temperature (°C) | -25°C to +60°C (Derating 45°C) | | | |
| Inverter Isolation | Non-isolated (AC-BAT) | | | |
| Overvoltage category | OVC III (AC Main) | | | |
| Firmware | 1.01 | | | |

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| Specifications table | | | | |
|--------------------------------------|------------------------|--------------|------------|--------------|
| Model | SW3KLP1EU0 | SW3.6KLP1EU0 | SW4KLP1EU0 | SW4.6KLP1EU0 |
| Battery (charge/discharge) | | | | |
| Battery type | Li-ion/Lead-acid etc. | | | |
| Battery Normal Voltage (Range) (Vdc) | 51.2V (40-60V) | | | |
| Max charge/discharge Current(A) | 80 | 80 | 120 | 120 |
| Max charge/discharge Power(W) | 3000 | 3600 | 4000 | 4600 |
| AC Grid (input and output) | | | | |
| Normal AC Voltage (VAC) | L/N/PE, 220Vac, 230Vac | | | |
| Frequency (Hz) | 50 / 60 | | | |
| Normal AC Current (A) | 13.1 | 15.7 | 17.4 | 20 |
| Max. cont. input/output current (A) | 14 | 17 | 19 | 22 |
| Normal Power (W) | 3000 | 3600 | 4000 | 4600 |
| Rated Apparent Power (VA) | 3000 | 3600 | 4000 | 4600 |
| Max. cont. input/output Power (W) | 3000 | 3600 | 4000 | 4600 |
| Max. cont. Apparent Power (VA) | 3000 | 3600 | 4000 | 4600 |
| Power factor(adjustable) | 1.0(-0.8~ +0.8) | | | |
| AC Load output (stand alone) | | | | |
| Normal Voltage (VAC) | L/N/PE, 220Vac, 230Vac | | | |
| Frequency (Hz) | 50 / 60 | | | |
| Nominal Current (A) | 13.1 | 15.7 | 17.4 | 20 |
| Max. cont. current (A) | 14 | 17 | 19 | 22 |
| Max. cont. Power (W) | 3000 | 3600 | 4000 | 4600 |
| Rated Apparent Power (VA) | 3000 | 3600 | 4000 | 4600 |
| Max. cont. Apparent Power (VA) | 3000 | 3600 | 4000 | 4600 |

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| Specifications table | | | | |
|-------------------------|--------------------------------|--------------|------------|--------------|
| Model | SW3KLP1EU0 | SW3.6KLP1EU0 | SW4KLP1EU0 | SW4.6KLP1EU0 |
| Power factor | 1.0 | | | |
| Others | | | | |
| Ingress protection (IP) | IP65 | | | |
| Protective class | Class I | | | |
| Temperature (°C) | -25°C to +60°C (Derating 45°C) | | | |
| Inverter Isolation | Non-isolated (AC-BAT) | | | |
| Overvoltage category | OVC III (AC Main) | | | |
| Firmware | 1.01 | | | |

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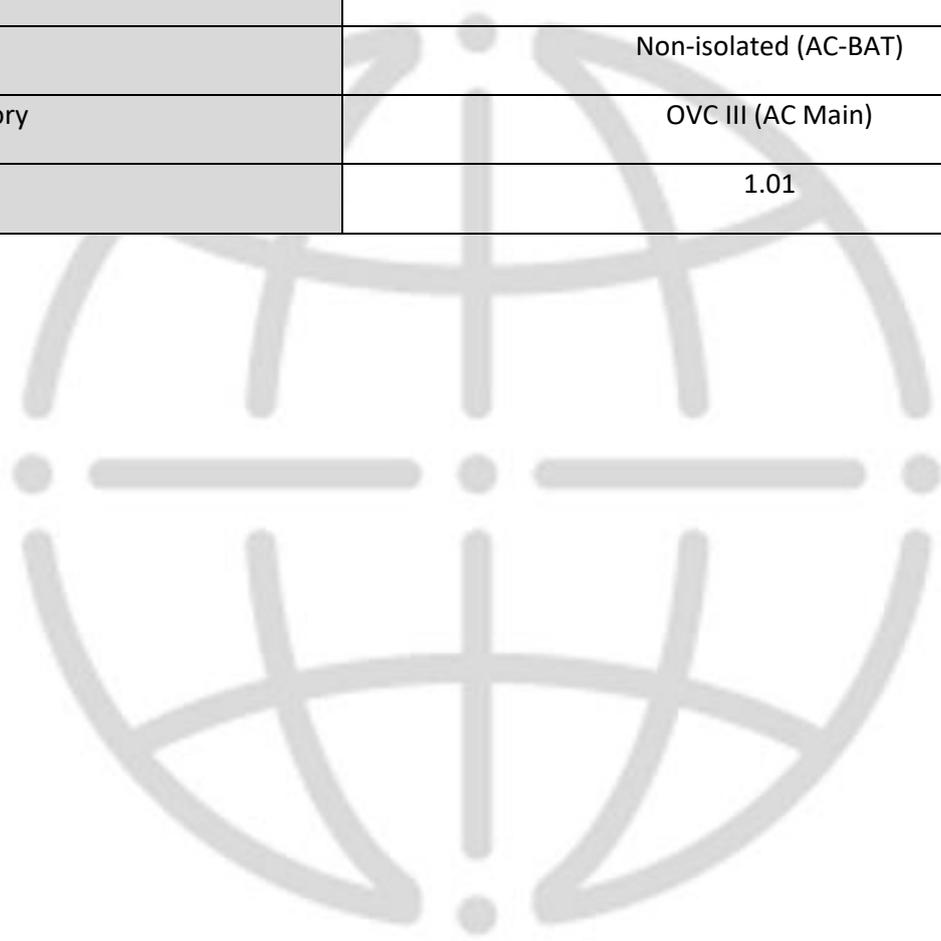
Specifications table

| Model | SW5KLP1EU0 | SW5.5KLP1EU0 | SW6KLP1EU0 | |
|--------------------------------------|------------------------|--------------|------------|--|
| Battery (charge/discharge) | | | | |
| Battery type | Li-ion/Lead-acid etc. | | | |
| Battery Normal Voltage (Range) (Vdc) | 51.2V (40-60V) | | | |
| Max charge/discharge Current(A) | 120 | 120 | 120 | |
| Max charge/discharge Power(W) | 5000 | 5500 | 6000 | |
| AC Grid (input and output) | | | | |
| Normal AC Voltage (VAC) | L/N/PE, 220Vac, 230Vac | | | |
| Frequency (Hz) | 50 / 60 | | | |
| Normal AC Current (A) | 21.8 | 24 | 26.1 | |
| Max. cont. input/output current (A) | 23 | 26 | 28 | |
| Normal Power (W) | 5000 | 5500 | 6000 | |
| Rated Apparent Power (VA) | 5000 | 5500 | 6000 | |
| Max. cont. input/output Power (W) | 5000 | 5500 | 6000 | |
| Max. cont. Apparent Power (VA) | 5000 | 5500 | 6000 | |
| Power factor(adjustable) | 1.0(-0.8~ +0.8) | | | |
| AC Load output (stand alone) | | | | |
| Normal Voltage (VAC) | L/N/PE, 220Vac, 230Vac | | | |
| Frequency (Hz) | 50 / 60 | | | |
| Nominal Current(A) | 21.8 | 24 | 26.1 | |
| Max. cont. current (A) | 23 | 26 | 28 | |
| Max. cont. Power (W) | 5000 | 5500 | 6000 | |
| Max. cont. Apparent Power (VA) | 5000 | 5500 | 6000 | |
| Power factor | 1.0 | | | |

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Specifications table

| Model | SW5KLP1EU0 | SW5.5KLP1EU0 | SW6KLP1EU0 | |
|-------------------------|--------------------------------|--------------|------------|--|
| Others | | | | |
| Ingress protection (IP) | IP65 | | | |
| Protective class | Class I | | | |
| Temperature (°C) | -25°C to +60°C (Derating 45°C) | | | |
| Inverter Isolation | Non-isolated (AC-BAT) | | | |
| Overvoltage category | OVC III (AC Main) | | | |
| Firmware | 1.01 | | | |



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| Specifications table | | | | | |
|--------------------------------------|------------------|---------------|-------------|---------------|-------------|
| Model | SW4KLP1-EU2 | SW4.6KLP1-EU2 | SW5KLP1-EU2 | SW5.5KLP1-EU2 | SW6KLP1-EU2 |
| PV input | | | | | |
| P pv Max(W) | 6000 | 6900 | 7500 | 8300 | 9000 |
| Vmax PV (Vdc) (absolute Max.) | 550 | 550 | 550 | 550 | 550 |
| Isc PV (absolute Max.) (A) | 26 x 2 | 26 x 2 | 26 x 2 | 26 x 2 | 26 x 2 |
| Number MPP trackers | 2 | 2 | 2 | 2 | 2 |
| Number input strings | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 |
| Max. PV input current / strings (A) | 18.5 x 2 | 18.5 x 2 | 18.5 x 2 | 18.5 x 2 | 18.5 x 2 |
| MPPT voltage range (Vdc) | 80-500 | 80-500 | 80-500 | 80-500 | 80-500 |
| Vdc range @ full power (Vdc) | 120-500 | 130-500 | 150-500 | 160-500 | 170-500 |
| Battery (charge/discharge) | | | | | |
| Battery type | Li-ion/Lead-acid | | | | |
| Battery Normal Voltage (Range) (Vdc) | 51.2V (40-60V) | | | | |
| Max charge/discharge Current(A) | 120 | 120 | 120 | 120 | 120 |
| Max charge/discharge Power(W) | 4000 | 4600 | 5000 | 5500 | 6000 |
| AC Grid (input and output) | | | | | |
| Normal AC Voltage (VAC) | L/N/PE, 230Vac | | | | |
| Frequency (Hz) | 50 | | | | |
| Normal AC Current (A) | 17.4 | 20 | 21.8 | 24 | 26.1 |
| Max. cont. input/output current (A) | 19 | 22 | 23 | 26 | 28 |
| Rated Power(W) | 4000 | 4600 | 5000 | 5500 | 6000 |
| Rated Apparent Power (VA) | 4000 | 4600 | 5000 | 5500 | 6000 |
| Max. cont. Power (W) | 4000 | 4600 | 5000 | 5500 | 6000 |

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| Specifications table | | | | | |
|-------------------------------------|--------------------------------|---------------|-------------|---------------|-------------|
| Model | SW4KLP1-EU2 | SW4.6KLP1-EU2 | SW5KLP1-EU2 | SW5.5KLP1-EU2 | SW6KLP1-EU2 |
| Max. cont. Apparent Power (VA) | 4000 | 4600 | 5000 | 5500 | 6000 |
| Power factor (adjustable) | 1.0(-0.8~ +0.8) | | | | |
| AC Load output (stand alone) | | | | | |
| Normal Voltage (VAC) | L/N/PE, 230Vac | | | | |
| Frequency (Hz) | 50 | | | | |
| Nominal Current(A) | 17.4 | 20 | 21.8 | 24 | 26.1 |
| Max. cont. current (A) | 19 | 22 | 23 | 26 | 28 |
| Max. cont. Power (W) | 4000 | 4600 | 5000 | 5500 | 6000 |
| Max. cont. Apparent Power (VA) | 4000 | 4600 | 5000 | 5500 | 6000 |
| Power factor | 1.0 | | | | |
| Others | | | | | |
| Ingress protection (IP) | IP65 | | | | |
| Protective class | Class I | | | | |
| Temperature (°C) | -25°C to +60°C (Derating 45°C) | | | | |
| Inverter Isolation | Non-isolated (PV - AC - BAT) | | | | |
| Overtoltage category | OVC III (AC Main), OVC II (PV) | | | | |
| Firmware | 1.01 | | | | |

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