

COMMERCIAL PV PLANT

SYSTEM SOLUTIONS





ABOUT SUNGROW

Sungrow Power Supply Co., Ltd. ("Sungrow") is the world's most bankable inverter brand with over 340 GW installed worldwide as of December 2022. Founded in 1997 by University Professor Cao Renxian, Sungrow is a leader in the research and development of solar inverters with the largest dedicated R&D team in the industry and a broad product portfolio offering PV inverter solutions and energy storage systems for utility-scale, commercial & industrial, and residential applications, as well as internationally recognized floating PV plant solutions, NEV driving solutions, EV charging solutions and renewable hydrogen production systems. With a strong 26-year track record in the PV space, Sungrow products power over 150 countries worldwide.

As a leader in innovation in the solar industry, Sungrow possesses a dynamic technical R&D team which consists of over 3100 employees. The Company has also invested in its own in-house testing center approved by SGS, CSA, and TÜV Rheinland. Sungrow has the world's largest inverter factory, with a global annual production capacity of 305 GW, including 25 GW outside China.

Offering a wide range of solutions and services, Sungrow is committed to providing clean power for all and is steadfast in its efforts to become the global leader in clean power conversion technology. Learn more about Sungrow by visiting www.sungrowpower.com.

The World's Most Bankable Inverter Brand

No.1 bankable for 4 consecutive years

The only inverter supplier ranked 100% bankable

Source: BloombergNEF



26

Years in the Solar Industry 5300

Patent applications

150⁺

Countries with Sungrow Installations

NO.1

Largest PV Inverter R&D Team



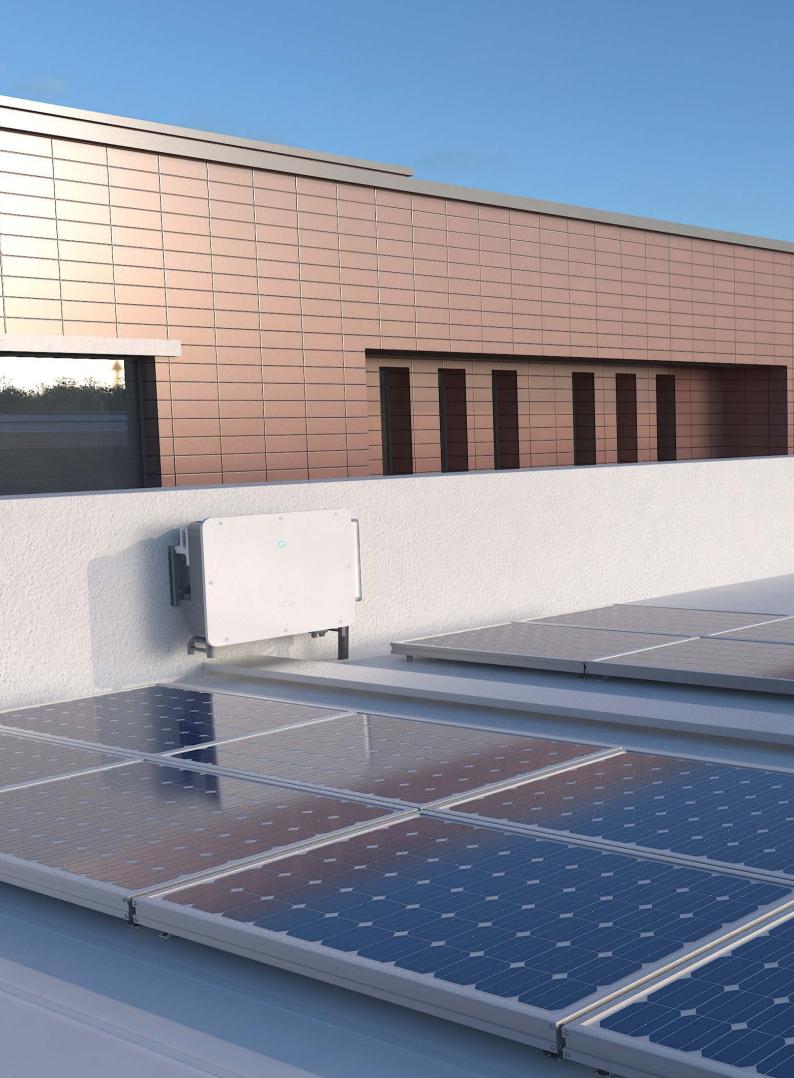
NO.1

2021 Inverter Shipments
Source: IHS Markit now a
part of S&P Global estimates

340GW⁺

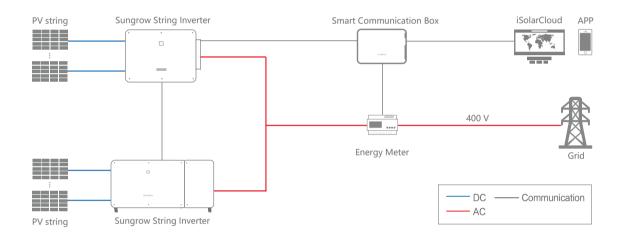
Deployed Worldwide **305GW**

Inverter Annual Capacity



Commercial PV Plant System Solutions

Commercial PV Plants



Recommend Inverters



SG125CX-P2

Multi-MPPT String Inverter for 1000 Vdc System

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HIGH YIELD

- 12 MPPTs with max. efficiency 98.5%
- DC 15A current input, compatiable with over 500W+ PV module
- · Dynamic shading optimization mode

LOWER INVESTMENT

- Compatible max. 240mm² Al AC cables
- Drawer-style cable sealing plate support AC cable pre-assembly

SMART O&M

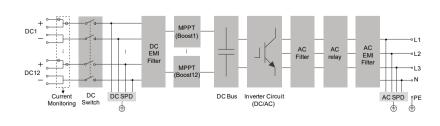
- · Key component diagnosis and protection
- Smart IV Curve Diagnosis
- · Grid fault record function, easy for remote O&M

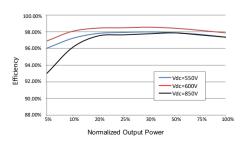
PROVEN SAFETY

- IP66 protection and C5 Anti-corrosion
- DC Type I+II SPD, AC Type II SPD
- · Support AFCI 2.0 function

CIRCUIT DIAGRAM

EFFICIENCY CURVE







| Type designation | SG125CX-P2 |
|---|---|
| Input (DC) | |
| Recommended max. PV input power | 175 kW |
| Max. PV input voltage | 1100 V |
| Min. PV input voltage / Startup input voltage | 180 V / 200 V |
| Rated PV input voltage | 600 V |
| MPP voltage range | 180 – 1000 V |
| | 12 |
| No. of independent MPP inputs | |
| No. of PV strings per MPPT | 750 4 (70 4 *12) |
| Max. PV input current | 360 A (30 A *12) |
| Max. DC short-circuit current | 480 A (40 A * 12) |
| Max. current for DC connector | 20A |
| Output (AC) | |
| Max. AC Output power | 125 kVA (415 V @ 50 °C) * |
| Rated AC output apparent power | 125 kVA (415 V @ 50 °C) * |
| Max. AC output current | 181.1 A |
| Rated AC output current(at 230V) | 181.1 A |
| Rated AC voltage | 3 / N / PE, 230 / 400 V ; 3 / N / PE, 240 / 415 V |
| AC voltage range | 320 – 480 V |
| Rated grid frequency | 50 Hz / 60 Hz |
| Grid frequency range | 45 – 55 Hz / 55 – 65 Hz |
| Harmonic (THD) | < 3 % (at rated power) |
| Power factor at rated power / Adjustable power factor | > 0.99 / 0.8 leading – 0.8 lagging |
| Feed-in phases / connection phases | 3/3-N-PE |
| Efficiency | |
| Max. efficiency / European efficiency | 98.5 % / 98.3 % |
| Protection | |
| Grid monitoring | Yes |
| DC reverse polarity protection | Yes |
| AC short circuit protection | Yes |
| Leakage current protection | Yes |
| Surge protection | DC Type I + II / AC Type II |
| Ground fault monitoring | Yes |
| DC switch | Yes |
| | Yes |
| PV string monitoring | |
| Q at night function | Yes |
| Arc fault circuit interrupter (AFCI) | Yes |
| PID recovery function | Yes |
| General Data | 1000*7750 |
| Dimensions (W*H*D) | 1020*795*360 mm |
| Mounting Method | Wall-mounting bracket |
| Weight | 87 kg |
| Topology | Transformerless |
| Degree of protection | IP66 |
| Corrosion | C5 |
| | |
| Night power consumption | < 5 W |
| | < 5 W -30 to 60 °C |
| Night power consumption Operating ambient temperature range Allowable relative humidity range (non-condensing) | |
| Operating ambient temperature range | -30 to 60 ℃ |
| Operating ambient temperature range Allowable relative humidity range (non-condensing) | -30 to 60 °C 0 − 100 % |
| Operating ambient temperature range Allowable relative humidity range (non-condensing) Cooling method | -30 to 60 °C 0 – 100 % Smart forced air cooling |
| Operating ambient temperature range Allowable relative humidity range (non-condensing) Cooling method Max. operating altitude Display | -30 to 60 °C 0 – 100 % Smart forced air cooling 4000 m (> 3000 m derating) |
| Operating ambient temperature range Allowable relative humidity range (non-condensing) Cooling method Max. operating altitude Display Communication | -30 to 60 °C 0 – 100 % Smart forced air cooling 4000 m (> 3000 m derating) LED, Bluetooth+APP SP600S (Optional) |
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| Operating ambient temperature range Allowable relative humidity range (non-condensing) Cooling method Max. operating altitude Display Communication | -30 to 60 °C 0 – 100 % Smart forced air cooling 4000 m (> 3000 m derating) LED, Bluetooth+APP SP600S (Optional) RS485 / Optional: WLAN, Ethernet Evo2 (Max. 6 mm²) OT / DT terminal (Max. 240 mm²) |
| Operating ambient temperature range Allowable relative humidity range (non-condensing) Cooling method Max. operating altitude Display Communication DC connection type AC connection type | -30 to 60 °C 0 – 100 % Smart forced air cooling 4000 m (> 3000 m derating) LED, Bluetooth+APP SP600S (Optional) RS485 / Optional: WLAN, Ethernet Evo2 (Max. 6 mm²) OT / DT terminal (Max. 240 mm²) IEC 62109-1, EN/IEC 61000-6-1/2/3/4, IEC 61727, IEC 62116, EN 50549-1/2, UTE |
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 $^{^{*}}$ PV input voltage need over 630 VDC



SG110CX

Multi-MPPT String Inverter for 1000 Vdc System

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(-½-) HIGH YIELD

- 9 MPPTs with max. efficiency 98.7%
- · Compatible with bifacial module
- Built-in PID recovery function

SAVED INVESTMENT

- Compatible with Al and Cu AC cables
- DC 2 in 1 connection enabled
- Q at night function

SMART O&M

- Touch free commissioning and remote firmware upgrade
- Smart IV Curve diagnosis*
- Fuse free design with smart string current monitoring

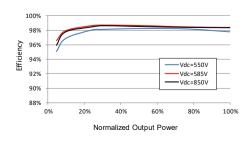
PROVEN SAFETY

- IP66 and C5 anti-corrosion
- Type II SPD for both DC and AC, DC Type I+II optinal
- · Compliant with global safety and grid code

CIRCUIT DIAGRAM

DC1 AC AC AC PD PP Sensor Switch DC DCSPD DC Sink Inverter Circuit ACSPD PP ACSP

EFFICIENCY CURVE





| Type designation | SG110CX | |
|---|--|--|
| Input (DC) | | |
| Max. PV input voltage | 1100 V ** | |
| Min. PV input voltage / Start-up input voltage | 200 V / 250 V | |
| Nominal PV input voltage | 585 V | |
| MPP voltage range | 200 – 1000 V | |
| No. of independent MPP inputs | 9 | |
| No. of PV strings per MPPT | 2 | |
| Max. PV input current | 26 A * 9 | |
| Max. DC short-circuit current | 40 A * 9 | |
| | 40 A 9 | |
| Output (AC) | 330 IAVA @ 75 0C /300 IAVA @ 50 0C | |
| AC output power | 110 kVA @ 45 °C / 100 kVA @ 50 °C | |
| Max. AC output current | 158.8 A | |
| Nominal AC voltage | 3 / N / PE, 400 V | |
| AC voltage range | 320 – 460 V | |
| Nominal grid frequency / Grid frequency range | 50 Hz / 45 – 55 Hz, 60 Hz / 55 – 65 Hz | |
| Harmonic (THD) | < 3 % (at nominal power) | |
| Power factor at nominal power / Adjustable power factor | > 0.99 / 0.8 leading – 0.8 lagging | |
| Feed-in phases / AC connection | 3/3-PE | |
| Efficiency | | |
| Max. efficiency | 98.7 % | |
| European efficiency | 98.5 % | |
| Protection and Function | | |
| DC reverse polarity protection | Yes | |
| AC short-circuit protection | Yes | |
| Leakage current protection | Yes | |
| Grid monitoring | Yes | |
| Ground fault monitoring | Yes | |
| DC switch | Yes | |
| AC switch | No | |
| PV string monitoring | Yes | |
| Q at night function | Yes | |
| PID recovery function | Yes | |
| Arc fault circuit interrupter (AFCI) | Optional | |
| Surge protection | DC Type II (optional: Type I + II) / AC Type II | |
| General Data | 20 type ii (optionali type ii ii) / / te type ii | |
| Dimensions (W*H*D) | 1051*660*362.5 mm | |
| Weight | 89 kg | |
| Topology | Transformerless | |
| Degree of protection | IP66 | |
| Night power consumption | < 2 W | |
| Operating ambient temperature range | -30 to 60 °C (> 50 °C derating) | |
| | 0 – 100 % | |
| Allowable relative humidity range | | |
| Cooling method | Smart forced air cooling | |
| Max. operating altitude | 4000 m (> 3000 m derating) | |
| Display | LED, Bluetooth+APP | |
| Communication | RS485 / Optional: WLAN, Ethernet | |
| DC connection type | MC4 (Max. 6 mm²) | |
| AC connection type | OT / DT terminal (Max. 240 mm²) | |
| Grid Support | Q at night function, LVRT, HVRT, active & reactive power control and power ramp rate control | |
| Country of manufacture | China | |



^{*:} Only compatible with Sungrow Logger, EyeM4 and iSolarCloud
**: The inverter enters the standby state when the input voltage ranges between 1,000V and 1,100V. If the maximum DC voltage in the system can exceed 1000V, the MC4 connectors included in the scope of delivery must not be used. In this case MC4 Evo2 connectors must be used.

SG33/50CX

Multi-MPPT String Inverter for 1000 Vdc System

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- Up to 5 MPPTs with max. efficiency 98.7%
- · Compatible with bifacial module
- Built-in PID recovery function

SAVED INVESTMENT

- · Compatible with Al and Cu AC cables
- DC 2 in 1 connection enabled
- · Cable free communication with optional WLAN

SMART O&M

- Touch free commissioning and remote firmware upgrade
- Smart IV Curve diagnosis *
- Fuse free design with smart string current monitoring

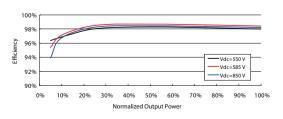
PROVEN SAFETY

- IP66 and C5 anti-corrosion
- Type II SPD for both DC and AC, DC Type I+II Opt
- · Satisfied global safety and grid code

CIRCUIT DIAGRAM

DC1 | Courrent | DC | DC | SPD | DC | Bus | Inverter Circuit | (DC/AC) | CD/AC | CD/A

EFFICIENCY CURVE





| Type designation | SG33CX | SG50CX |
|---|--|---------------------------|
| Input (DC) | | |
| Max. PV input voltage | 1100 V ** | |
| Min. PV input voltage / Start-up input voltage | 200 V / 250 V | |
| Nominal PV input voltage | 585 V | |
| MPP voltage range | 200 – 1000 V | |
| No. of independent MPP inputs | 3 | 5 |
| No. of PV strings per MPPT | 2 | 2 |
| Max. PV input current | 3 * 26 A | 5 * 26 A |
| Max. DC short-circuit current | 3 * 40 A | 5 * 40 A |
| Output (AC) | | |
| | 33 kVA @45 °C, 400Vac / | 50 kVA @45 °C, 400Vac |
| AC output power | 36.3 kVA @ 40 °C, 400Vac | 55kVA @ 40 °C, 400Vac |
| ne output power | 33 KVA @ 50 °C, 415Vac / | 50KVA @ 50 °C, 415Vac |
| | 36.3 KVA @ 35°C, 415Vac | 55kVA @ 45 °C,415Vac |
| May AC authort augrent | | |
| Max. AC output current | 55.2 A 3/N/PE, 2 | |
| Nominal AC voltage | 312 - | |
| AC voltage range | | 60 Hz / 55 – 65 Hz |
| Nominal grid frequency / Grid frequency range | < 3 % (at nor | |
| Harmonic (THD) | < 0.5 | |
| DC current injection | > 0.99 / 0.8 leading – 0.8 lagging | |
| Power factor at nominal power / Adjustable power factor | 3 , | /3 |
| Feed-in phases / AC connection | | |
| Efficiency | | |
| Max. efficiency / European efficiency | 98.6 % / 98.3 % | 98.7 % / 98.4 % |
| Protection and Function | | |
| DC reverse polarity protection | Ye | es |
| AC short circuit protection | Ye | es |
| Leakage current protection | Yes | |
| Grid monitoring | Yes | |
| Ground fault monitoring | Yes | |
| DC switch | Yes | |
| AC switch | N | 0 |
| PV string monitoring | Ye | es |
| Q at night function | Yes | |
| PID recovery function | Yes | |
| Arc fault circuit interrupter (AFCI) | Yes Optional | |
| Overvoltage protection | DC Type II (optional: Type I + II) / AC Type II | |
| General Data | De Type II (optional. | Type I - III / Ac Type II |
| Dimensions (W*H*D) | 702*595*310 mm | 782*645*310 mm |
| Weight | 50 kg | 62 kg |
| Topology | Transfor | |
| | IPI | |
| Degree of protection | | |
| Night power consumption | ≤2 | |
| Operating ambient temperature range | -30 to 60 °C (> 45 °C derating) | |
| Allowable relative humidity range | | 00 % |
| Cooling method | Smart force | |
| Max. operating altitude | 4000 m (> 300 | ~, |
| Display | | cooth+APP |
| Communication | RS485 / Optional: WLAN, Ethernet | |
| DC connection type | MC4 (Max | x. 6 mm²) |
| AC connection type | OT or DT termin | al (Max.70 mm²) |
| Grid Support | Q at night function, LVRT, HVRT, active & reactive power control and power ramp rate control | |
| Country of manufacture | | |
| Country of manufacture | Ch | Irid |



^{*:} Only compatible with Sungrow logger, EyeM4 and iSolarCloud

**: The inverter enters the standby state when the input voltage ranges between 1,000 V and 1,100 V. If the maximum DC voltage in the system can exceed 1000 V, the MC4 connectors included in the scope of delivery must not be used. In this case MC4 Evo2 connectors must be used.

SG33/40/50CX-P2 Preliminary

Multi-MPPT String Inverter for 1000 Vdc System





- DC 15A current input, compatiable with over 500W+ PV module
- · Dynamic shading optimization mode
- · Built-in PID recovery function

LOWER INVESTMENT

- · Easy to handle thanks to 34% weight reduced
- · Plug and Play with Buckle Design

SMART O&M

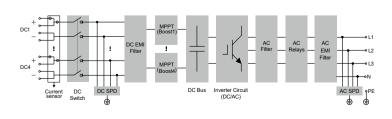
- · Key component diagnosis and protection
- Smart IV Curve Diagnosis
- Grid fault record function, easy for remote O&M

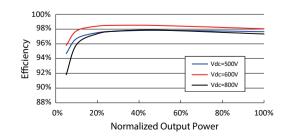
PROVEN SAFETY

- · IP66 protection and C5 Anti-corrosion
- DC Type I+II SPD, AC Type II SPD
- · Support AFCI 2.0 function

CIRCUIT DIAGRAM

EFFICIENCY CURVE (SG50CX-P2)







| Type designation | SG33CX-P2 | SG40CX-P2 | SG50CX-P2 |
|---|------------------------------------|--------------------------------------|---------------------|
| Input (DC) | | | |
| Recommended max. PV input power | 46.2 kWp | 56 kWp | 70 kWp |
| Max. PV input voltage | 10.2 1(17) | 1100 V | 70 1117 |
| Min. PV input voltage / Startup input voltage | | 160 V / 200 V | |
| Rated PV input voltage | | 600 V | |
| MPP voltage range | | 160 V – 1000 V | |
| No. of independent MPP inputs | 3 | 4 | 4 |
| No. of PV strings per MPPT | 3 | 2 | 4 |
| Max. PV input current | 00 4 (70 4 * 7) | | 120 A (70 A * /) |
| Max. DC short-circuit current | 90 A (30 A * 3) | 120 A (30 A * 4) 160 A (40 A * 4) | 120 A (30 A * 4) |
| Max. current for DC connector | 120 A (40 A * 3) | | 160 A (40 A * 4) |
| | | 20A | |
| Output (AC) | 77 \ / A | (O.L) (A | 50 L) /A |
| Rated AC output power | 33 kVA | 40 kVA | 50 kVA |
| Max. AC output apparent power | 36.3 kVA | 44 kVA | 55 kVA |
| Max. AC output current | 55.2 A | 66.9 A | 83.6 A |
| Rated AC output current (at 230 V) | 47.8 A | 58 A | 72.5 A |
| Rated AC voltage | 3/ | N / PE, 220 / 380 V, 230 / 40 | 0 V |
| AC voltage range | | 312 – 480 V | |
| Rated grid frequency | | 50 Hz / 60 Hz | |
| Grid frequency range | 45 – 55 Hz / 55 – 65 Hz | | |
| Harmonic (THD) | | < 3 % (at rated power) | |
| Power factor at rated power / Adjustable power factor | > 0.99 / 0.8 leading – 0.8 lagging | | ng |
| Feed-in phases / connection phases | | 3/3-N-PE | |
| Efficiency | | | |
| Max. efficiency / European efficiencyEuro. Efficiency | | 98.5% / 98.3% | |
| Protection | | | |
| Grid monitoring | | Yes | |
| DC reverse connection protection | | Yes | |
| AC short-circuit protection | Yes | | |
| Leakage current protection | Yes | | |
| Surge protection | DC Type I+II / AC Type II | | |
| Ground fault monitoring | Yes | | |
| DC switch | Yes | | |
| PV String current monitoring | Yes | | |
| Arc fault circuit interrupter (AFCI) | Yes | | |
| PID recovery function | Yes | | |
| General Data | | | |
| Dimensions (W*H*D) | | 645*575*245 mm | |
| Mounting Method | | Wall-mounting bracket | |
| Weight | 38 kg | 40 kg | 41 kg |
| Topology | | Transformerless | |
| Degree of protection | | IP66 | |
| Corrosion | | C5 | |
| Night power consumption | < 5W | | |
| Operating ambient temperature range | -30 to 60 ℃ | | |
| Allowable relative humidity range (non-condensing) | 0 – 100 % | | |
| Cooling method | | Smart forced air cooling | |
| Max. operating altitude | | 4000 m | |
| Display | | LED, Bluetooth+APP | |
| Communication | RS485 / Optional: WLAN, Ethernet | | |
| DC connection type | EVO2 (Max. 6 mm²) | | |
| AC connection type | OT terminal (16 – 35 mm²) | | |
| AC Cable specification | | Outside diameter 18 – 38 m | m |
| A Course Specification | | | |
| | | IEC 62116, VDE-AR-N 4105:20 | |
| Grid Compliance | | 9,CEI0-16 2019, VDE 0126-1-1/ | |
| | | INE 206007-1/RD 1699, UNE | |
| Grid Support | Q at night function, | LVRT, HVRT, active & reactiv | e power control and |
| | | power ramp rate control | |



COM100

Smart Communication Box

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FLEXIBLE NETWORKING

- Support of RS485, Ethernet, WLAN and Wi-SUN communication
- Support of energy meter, meteo station, sensors and other equipment

(EASY OPERATION

- Night light for maintenance
- Robust enclosure, easy to install

CONVENIENT O&M

- Inverter batch parameter settings and firmware updates
- PV Plant maintenance via remote Web access for optimized OPEX
- · Active and reactive power control
- Local monitoring

| Type designation | СОМ100 |
|--------------------------------|--|
| Communication | |
| Max. number of devices | 30 |
| RS485 interface | 3 |
| Ehthernet | 1*RJ45, 10/100 Mbps |
| Digital input | 5, Max. 24 Vdc |
| Analog input | 4, support 4 – 20 mA or 0 – 10 Vdc |
| EyeW485 Host Module(optional) | 1, 24 Vdc |
| I/O Module(optional) | 1, 4*DI, 2*PT100 / PT1000, 2*AI (0 - 10 V), 2*DO, 24 Vdc |
| Wireless communication | |
| WLAN communication | 802.11 b/g/n/ac HT20/40/80 MHz 2.4 GHz/5 GHz |
| Wi-SUN communication(optional) | Band: 860 – 928 MHz |
| Power supply | |
| AC input | 100 Vac – 300 Vac, 50 / 60 Hz |
| Power consumption | Typ. 20 W, Max. 30 W |
| Night light for maintenance | <1 W |
| Ambient conditions | |
| Operating Temperature | -30 °C to 60 °C |
| Storage Temperature | -40 °C to 70 °C |
| Relative air humidity | ≤95 % (non-condensing) |
| Elevation | ≤4000 m |
| Protection class | IP66 |
| Mechanical parameters | |
| Dimensions (W*H*D) | 460*315*126 mm |
| Weight | 6 kg |
| Mounting type | Wall mounted, Bracket mounted, Pole mounted, outdoor and indoor |
| Box material | PC |
| Cable specification | AC cable: outdoor UV protection cable of 1 – 1.5 mm², outside diameter 13 – 18 mm RS485 cable: outdoor UV protection shielded twisted pair (STP) of 0.75 – 1.5 mm², outside diameter 6 – 18 mm |
| | Ethernet: CAT5 cable, outdoor UV protection shielded, outside diameter 6 – 18mm AI, DI: outdoor UV protection cable of 0.75 mm², outside diameter 4.5 – 6mm |
| Ordering information | |
| COM100D | The COM100D includes Logger1000, AC adapter, SPD, Air switch, Night light Support of 4G, Ethernet, WLAN, MPLC (optional) and Wi-SUN (optional) communication Apply to China, India, Malaysia |
| СОМ100Е | The COM100E includes Logger1000, AC adapter, SPD, Air switch, Night light Support of Ethernet , WLAN, MPLC (optional) and Wi-SUN (optional) communication Apply to Global |

^{*} EyeW485 host module needs to be used with EyeW485 to realize wireless 485 automatic network in the area.

WiNet-S

Communication Module

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SMART AND FLEXIBLE

- WLAN or Ethernet, flexible compatibility of plant networking, one-click access to iSolarCloud
- Automatic network configuration with DHCP, transmission without configuration
- Free WLAN configuration, easy and time saving



(In) SIMPLE AND EFFICIENT

- · Plug and play, quick installation
- Data interval in seconds, quick glance for what you want
- Support of Smart IV Curve Diagnosis*
- Support of local and remote parameter setting and firmware updates



SAFE AND RELIABLE

- Password and encrypted transmission for data protection
- IP66, wide temperature range

| Type designation | WiNet-S |
|----------------------------------|---|
| Communication | |
| Max. number of supported devices | 1 |
| LED display | LED × 3 |
| Communication Mode | |
| Internet communication | Channel x 1, 10 / 100Mbps self- adaption, Communication distance ≤100 m |
| WLAN communication | 802.11 b / g IEEE802.11n HT20@2.4 GHz IEEE802.11n HT40@2.4 GHz 2.4 GHz |
| Power supply | |
| DC input | 5 VDC, 2.1 A |
| Power consumption | ≤5 W |
| Ambient conditions | |
| Operating temperature | -30 °C to 60 °C |
| Relative air humidity | ≤95 % (non-condensing) |
| Elevation | ≤4000 m |
| Protection class | IP66 |
| Mechanical parameters | |
| Dimensions (W * H * D) | 48 * 132 * 36 mm |
| Mounting type | Plug and Play |

^{*:} WiNet-S is part of Smart IV Curve Diagnosis solution



EyeM4

Wireless Communication Module for Multiple Inverters

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SMART AND FLEXIBLE

- · One-click access to iSolarCloud
- One module can manage up to 10 inverters for remote maintenance and control
- Plug and play, easy installation



(CONVENIENT O&M

- Built-in Web server for monitoring and configuration, by PC or smartphone browser no App required
- Support of plant maintenance by remote Web access, optimized OPEX
- Support of local and remote parameter setting and firmware updates

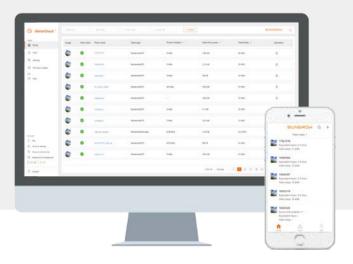
| Type designation | EyeM4 |
|------------------------|---|
| Communication | |
| Max. number of devices | 10 |
| LED display | LED*3 |
| Wireless communication | |
| 4G communication | LTE(FDD): B1, B3, B5, B8 LTE(TDD): B38, B39, B40, B41 TD-SCDMA: B34, B39 CDMA: BC0 GSM: 900MHz/1800MHz WCDMA: B1, B8 |
| WLAN commnunicatoin | 802.11 b/g/n/ac HT20/40/80 MHz 2.4 GHz / 5 GHz |
| Power supply | |
| DC input | 5 VDC, 0.8 A |
| Power consumption | <4 W |
| Ambient conditions | |
| Operating Temperature | -30 °C to 60 °C |
| Relative air humidity | ≤95 % (non-condensing) |
| Elevation | ≤4000 m |
| Protection class | IP66 |
| Mechanical parameters | |
| Dimensions (W * H * D) | 48 * 130 * 36 mm |
| Mounting type | Plug and Play |
| Ordering information | |
| EyeM4A | Supports 4G and WLAN communication |
| EyeM4C | Supports WLAN communication |



iSolarCloud

Remote Monitoring and O&M Platform

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FLEXIBLE AND FRIENDLY

- Centralized power plant management, optimized OPEX
- Simple network infrastructure, fastplatform deployment
- · Flexible data access, Web portal and App

SAFE AND RELIABLE

- · Hierarchical access management
- Cyber security and redundant data storage overthe lifecycle of plants, certified data security
- Full log for trace and audit



SIMPLE AND EFFICIENT

- Scan QR to create plant or get support, devices automatic access
- Accurate positioning of faults, quick trouble shooting, real-time push of information, reducing time to resolve faults
- Parameter setting, firmware updates, IV curve diagnosis, data analysis and automated reports
- Support of plant maintenance by remote Web access of local data logger



| Type designation | i Solar Cloud |
|--|---|
| Monitoring Device | |
| | Inverter, combiner box, meteo station, |
| Device type | energy meter, transformer and other |
| | plant devices |
| Monitoring Capacity | More than 100 GW (scalable) |
| Data Collection | |
| Time interval | 5minutes or less |
| General Data | |
| | Chinese, English, German, French, |
| Language | Spaish, Portuguese, Italian, Dutch, |
| | Polish, Japanese, Korean, Vietnamese, |
| | Traditional Chinese |
| Data storage time | > 25 years |
| Storage capability | > 100PB |
| System reliability | 99.99% |
| Minimum Web requirements | |
| Browser | IE 11, Chrome 65, Safari 11, Firefox 60 |
| Resolution | 1366 * 768, 1920 * 1080 recommended |
| Minimum Operating Environment for App | |
| Mounting type | Android 5.0, iOS 10.0 |
| Dimensions (W * H) | 1920 * 1080, 2001 * 1125, 1280 * 720 |



Case Reference

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520 kW PV Plant Australia



1 MW PV Plant Australia



550kW PV Plant Germany



950kW PV Plant Korea



1 MW PV Plant Vietnam



2 MW PV Plant India



660kW PV Plant India



10MW PV Plant Pakistan



227 kW PV Plant Malaysia



50 kW PV Plant India



6.5 MW PV Plant Spain



1.4 MW PV Plant Vietnam



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