

SAJ

SAJ Solar Inverter Sununo Plus 1K/1.5K



new

BENEFITS

Flexible and Efficient

- Optimized global MPPT algorithm, MPPT efficiency higher than 99.5%
- Max. efficiency of 97.2%, European efficiency of 96.7%
- Super wide input voltage range(50V-450V), supporting system with a minimum of 3 solar panels
- With reduced derating under high temperature, the generating capacity is improved

Convenient Installation

- Transformerless, smaller and lighter up to 5.8kg
- AC output quick connector design, for faster installation

Smart and Easy to Use

- One-button safety setting, easy configuration of all parameters
- Built-in independent RTC chip, supporting data storage of 25 years
- Integrated RS232 / Wi-Fi interfaces, for improved communication
- Free monitoring anytime anywhere
- Local and remote intelligent maintenance by PC, IOS and Android devices
- Responds to power grid dispatching, energy management of micro-grids

Safe and Reliable

- IP65 protection for indoor and outdoor installation
- Aluminum case design to enhance heat dissipation and prevent rust corrosion, prolong life time
- Optional built-in high voltage DC switch for safer maintenance and application
- Natural convection for longer life

SAJ Solar Inverter Technical Data



Sununo Plus 1K/1.5K

| Type | Sununo Plus 1K | Sununo Plus 1.5K |
|---------------------------------------|--|---|
| Input (DC) | | |
| Max. DC Power [W] | 1200 | 1800 |
| Max. DC Voltage [V] | | 450 |
| MPPT Voltage range [V] | | 60-425 |
| Nominal DC Voltage [V] | | 360 |
| Start Voltage [V] | | 70 |
| Min. DC Voltage [V] | | 50 |
| Max. DC Input Current [A] | | 11 |
| Number of DC Connection Sets per MPPT | | 1 |
| Number of MPPT | | 1 |
| DC Switch | | optional |
| Output (AC) | | |
| Rated AC Power [W] | 1000 | 1500 |
| Max. AC Power [W] | 1100 | 1650 |
| Rated AC Current [A] | 4.3 | 6.5 |
| Max. AC Current [A] | 4.8 | 7.2 |
| Nominal AC voltage/ range | | 220V, 230V, 240V/180V-280V |
| Grid frequency/ range | | 50Hz, 60Hz/±5Hz |
| Power factor [cos φ] | | >0.99 [full load] |
| Total Harmonic Distortion [THDi] | | < 3% |
| Feed-in Phase / Connection Phase | | 1/1 |
| Efficiency | | |
| Max. Efficiency | 97.1% | 97.2% |
| Euro Efficiency [at 360Vdc] | 96.6% | 96.7% |
| MPPT Accuracy | | >99.5% |
| Protection | | |
| Internal Over-voltage Protection | | Integrated |
| DC Insulation Monitoring | | Integrated |
| DCI Monitoring | | Integrated |
| GFCI Monitoring | | Integrated |
| Grid Monitoring | | Integrated |
| AC Short Circuit Current Protection | | Integrated |
| Thermal Protection | | Integrated |
| Anti-island protection monitoring | | AFD |
| Interface | | |
| AC Connection | | Plug-in connector |
| DC Connection | | MC4/H4 |
| LCD / LED Display | | LCD (16x2 Characters, Backlight) / LED (3 Lights) |
| Display Language | | English |
| Datalogger & Communication | | RS232 (Standard) / Wi-Fi (Optional) |
| General Data | | |
| Topology | | Transformerless |
| Consumption at Night [W] | | <0.2 |
| Consumption at Standby [W] | | 6 |
| Operating Temperature Range | | -25°C to +60°C (45°C to 60°C with derating) |
| Cooling Method | | Natural Convection |
| Ambient Humidity | | 0% to 98% Non-condensing |
| Altitude | | Up to 2000m (without derating) |
| Noise [dBA] | | <15 |
| Ingress Protection | | IP65 (Indoor & Outdoor Installation) |
| Mounting | | Rear Panel |
| Dimensions (W*H*D) [mm] | | 315*260*120 |
| Weight [kg] | | 5.8 |
| Standard Warranty [Year] | | 5 (Standard) / 10 / 15 / 20 / 25 (Optional) |
| Certificates | IEC62109-1/2, IEC61000-6-2/3, IEC61683, IEC60068-2, IEC62116, IEC61717, PEA/MEA, NRS 097-2-1, UTE-C-15-712-1, VDE0126-1-1/A1, VDE-AR-N 4105, AS4777.2, AS4777.3, C-TICK, CQC NB/T 32004, G83-2, NBR 16149, NBR 16150, TF 3.2.1, C10/11 | |

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SAJ Solar Inverter Sununo Plus 2K/2.5K/3K



new

BENEFITS

Flexible and Efficient

- Optimized global MPPT algorithm, MPPT efficiency higher than 99.5%
- Max. efficiency of 97.6%, European efficiency of 97.1%
- Super wide input voltage range(50V-500V/550V), supporting system with a minimum of 3 solar panels
- With reduced derating under high temperature, the generating capacity is improved

Convenient Installation

- Transformerless, smaller and lighter up to 8.5kg
- AC output quick connector design, for faster installation

Smart and Easy to Use

- One-button safety setting, easy configuration of all parameters
- Built-in independent RTC chip, supporting data storage of 25 years
- Integrated RS232 / Wi-Fi interfaces, for improved communication
- Free monitoring anytime anywhere
- Local and remote intelligent maintenance by PC, IOS and Android devices
- Responds to power grid dispatching, energy management of micro-grids

Safe and Reliable

- IP65 protection for indoor and outdoor installation
- Aluminum case design to enhance heat dissipation and prevent rust corrosion, prolong life time
- Optional built-in high voltage DC switch for safer maintenance and application
- Natural convection for longer life

SAJ Solar Inverter Technical Data



Sununo Plus 2K/2.5K/3K

| Type | Sununo Plus 2K | Sununo Plus 2.5K | Sununo Plus 3K |
|---------------------------------------|--|---|----------------|
| Input (DC) | | | |
| Max. DC Power [W] | 2400 | 2900 | 3200 |
| Max. DC Voltage [V] | 500 | | 550 |
| MPPT Voltage range [V] | 60-450 | | 60-500 |
| Nominal DC Voltage [V] | | 360 | |
| Start Voltage [V] | | 70 | |
| Min. DC Voltage [V] | | 50 | |
| Max. DC Input Current [A] | | 11 | |
| Number of DC Connection Sets per MPPT | | 1 | |
| Number of MPPT | | 1 | |
| DC Switch | | optional | |
| Output (AC) | | | |
| Rated AC Power [W] | 2000 | 2500 | 3000 |
| Max. AC Power [W] | 2200 | 2750 | 3000 |
| Rated AC Current [A] | 8.7 | 10.9 | 13.0 |
| Max. AC Current [A] | 10.6 | 12.8 | 14.5 |
| Nominal AC voltage/ range | | 220V, 230V, 240V/180V-280V | |
| Grid frequency/ range | | 50Hz, 60Hz/±5Hz | |
| Power factor [cos φ] | | >0.99 [full load] | |
| Total Harmonic Distortion [THDi] | | < 3% | |
| Feed-in Phase / Connection Phase | | 1/1 | |
| Efficiency | | | |
| Max. Efficiency | 97.4% | 97.5% | 97.6% |
| Euro Efficiency [at 360Vdc] | 96.9% | 97.0% | 97.1% |
| MPPT Accuracy | | >99.5% | |
| Protection | | | |
| Internal Over-voltage Protection | | Integrated | |
| DC Insulation Monitoring | | Integrated | |
| DCI Monitoring | | Integrated | |
| GFCI Monitoring | | Integrated | |
| Grid Monitoring | | Integrated | |
| AC Short Circuit Current Protection | | Integrated | |
| Thermal Protection | | Integrated | |
| Anti-island protection monitoring | | AFD | |
| Interface | | | |
| AC Connection | | Plug-in connector | |
| DC Connection | | MC4/H4 | |
| LCD / LED Display | | LCD (16x2 Characters, Backlight) / LED (3 Lights) | |
| Display Language | | English | |
| Datalogger & Communication | | RS232 (Standard) / Wi-Fi (Optional) | |
| General Data | | | |
| Topology | | Transformerless | |
| Consumption at Night [W] | | <0.2 | |
| Consumption at Standby [W] | | 6 | |
| Operating Temperature Range | | -25°C to +60°C (45°C to 60°C with derating) | |
| Cooling Method | | Natural Convection | |
| Ambient Humidity | | 0% to 98% Non-condensing | |
| Altitude | | Up to 2000m (without derating) | |
| Noise [dBA] | | <25 | |
| Ingress Protection | | IP65 (Indoor & Outdoor Installation) | |
| Mounting | | Rear Panel | |
| Dimensions (W*H*D) [mm] | | 354*305*120 | |
| Weight [kg] | | 8.5 | |
| Standard Warranty [Year] | | 5 (Standard) / 10 / 15 / 20 / 25 (Optional) | |
| Certificates | IEC62109-1/2, IEC61000-6-2/3, IEC61683, IEC60068-2, IEC62116, IEC61717, PEA/MEA, NRS 097-2-1, UTE-C-15-712-1, VDE0126-1-1/A1, VDE-AR-N 4105, AS4777.2, AS4777.3, C-TICK, CQC NB/T 32004, G83-2, NBR 16149, NBR 16150, TF 3.2.1, C10/11 | | |

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SAJ Solar Inverter Sununo Plus 3K-M/4K-M/5K-M



new

BENEFITS

Flexible and Efficient

- Optimized global MPPT algorithm, MPPT efficiency higher than 99.5%
- Asymmetric dual MPPT that are compatible with all types of solar arrays
- Max. efficiency of 97.6%, European efficiency of 97.2%
- Super wide input voltage range(80V-600V), supporting all varieties of solar panels and string desings
- With reduced derating under high temperature, the generating capacity is improved

Convenient Installation

- Transformerless, smaller and lighter
- AC output quick connector design, for faster installation
- Specialized mounting design, easy to install

Smart and Easy to Use

- One-button safety setting, easy configuration of all parameters
- Built-in independent RTC chip, supporting data storage of 25 years
- Integrated RS232 / Wi-Fi interfaces, for improved communication
- Free monitoring anytime anywhere
- Local and remote intelligent maintenance by PC, IOS and Android devices
- Responds to power grid dispatching, energy management of micro-grids
- Integrated with the function of reactive adjusting

Safe and Reliable

- IP65 protection for indoor and outdoor installation
- Aluminum case design to enhance heat dissipation and prevent rust corrosion, prolong life time
- Optional built-in high voltage DC switch for safer maintenance and application
- Natural convection for longer life

SAJ Solar Inverter Technical Data



Sununo Plus 3K-M/4K-M/5K-M

| Type | Sununo Plus 3K-M | Sununo Plus 4K-M | Sununo Plus 5K-M |
|---------------------------------------|-------------------|---|-------------------------|
| Input (DC) | | | |
| Max. DC Power [W] | 3500 | 4600 | 5300 |
| Max. DC Voltage [V] | | 600 | |
| MPPT Voltage range [V] | | 90-550 | |
| Nominal DC Voltage [V] | | 360 | |
| Start Voltage [V] | | 100 | |
| Min. DC Voltage [V] | | 80 | |
| Max. DC Input Current PV1 / PV2 [A] | | 11/11 | |
| Number of DC Connection Sets per MPPT | | 1/1 | |
| Number of MPPT | | 2 | |
| DC Switch | | Optional | |
| Output (AC) | | | |
| Rated AC Power [VA] (@230V,50Hz) | 3000 | 3680 ¹ /4000 | 4600 ² /5000 |
| Max. AC Power [VA] | 3300 | 3680/4400 | 4600/5000 |
| Rated AC Current [A] | 13.0 | 16.0/17.4 | 20.0/21.7 |
| Max. AC Current [A] | 15.0 | 16.0/21.0 | 25.0 |
| Nominal AC voltage/ range | | 220V, 230V, 240V/180V-280V | |
| Grid frequency/ range | | 50Hz, 60Hz/±5Hz | |
| Power factor [cos φ] | >0.99 [full load] | 0.95 leading~0.95 lagging | |
| Total Harmonic Distortion [THDi] | | < 3% | |
| Feed-in Phase / Connection Phase | | 1/1 | |
| Efficiency | | | |
| Max. Efficiency | 97.4% | 97.5% | 97.6% |
| Euro Efficiency [at 360Vdc] | 97.0% | 97.1% | 97.2% |
| MPPT Accuracy | | >99.5% | |
| Protection | | | |
| Internal Over-voltage Protection | | Integrated | |
| DC Insulation Monitoring | | Integrated | |
| DCI Monitoring | | Integrated | |
| GFCI Monitoring | | Integrated | |
| Grid Monitoring | | Integrated | |
| AC Short Circuit Current Protection | | Integrated | |
| Thermal Protection | | Integrated | |
| Anti-island protection monitoring | | AFD | |
| Interface | | | |
| AC Connection | | Plug-in connector | |
| DC Connection | | MC4/H4 | |
| LCD / LED Display | | LCD (16x2 Characters, Backlight) / LED (3 Lights) | |
| Display Language | | English | |
| Datalogger & Communication | | RS232 (Standard) / Wi-Fi (Optional) | |
| General Data | | | |
| Topology | | Transformerless | |
| Consumption at Night [W] | | <0.2 | |
| Consumption at Standby [W] | | 6 | |
| Operating Temperature Range | | -25°C to +60°C (45°C to 60°C with derating) | |
| Cooling Method | | Natural Convection | |
| Ambient Humidity | | 0% to 98% Non-condensing | |
| Altitude | | Up to 2000m (without derating) | |
| Noise [dBA] | | <25 | |
| Ingress Protection | | IP65 (Indoor & Outdoor Installation) | |
| Mounting | | Rear Panel | |
| Dimensions (W*H*D) [mm] | | 454*355*150 | |
| Weight [kg] | | 16.2 | |
| Standard Warranty [Year] | | 5 (Standard) / 10 / 15 / 20 / 25 (Optional) | |
| Certificates | | IEC62109-1/2, IEC61000-6-2/3, IEC61683, IEC60068-2, IEC62116, IEC61717, PEA/MEA, NRS 097-2-1, UTE-C-15-712-1, TF 3.2.1, VDE0126-1-1/A1, VDE-AR-N 4105, AS4777.2, AS4777.3, C-TICK, CQC NB/T 32004, G83-2, G59-3, NBR 16149, NBR 16150, C10/11 | |

Remarks: 1. Meet the grid standard that AC current per phase not exceeding 16A. 2. Meet the VDE-ARN-N 4105 that biggest apparent power of single-phase is 4600 VA.

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SAJ

SAJ Solar Inverter Suntrio Plus 4K/5K/6K/8K/10K



new

BENEFITS

Flexible and Efficient

- Optimized global MPPT algorithm, MPPT efficiency higher than 99.5%
- Asymmetric dual MPPT which are compatible to all kinds of solar roofs
- Max. efficiency of 98.0%, European efficiency of 97.6%
- Super wide input voltage range(150V-1000V), supporting all varieties of solar panels and string desings
- With reduced derating under high temperature, the generating capacity is improved

Convenient Installation

- Transformerless, smaller and lighter
- AC output quick connector design, for faster installation
- Spaciaized mountingl design, easy to install

Smart and Easy to Use

- One-button safety setting, easy configuration of all parameters
- Built-in independent RTC chip, supporting data storage of 25 years
- Integrated LCD graphical display, showing daily/monthly/yearly generating capacity
- Integrated RS232 / Wi-Fi interfaces, for improved communication
- Free monitoring anytime anywhere
- Local and remote intelligent maintenance by PC, IOS and Android devices
- Responds to power grid dispatching, energy management of micro-grids
- Integrated with the function of reactive adjusting

Safe and Reliable

- IP65 protection for indoor and outdoor installation
- Aluminum case design to enhance heat dissipation and prevent rust corrosion, prolong life time
- Built-in high voltage DC switch for safer maintenance and application
- Built-in convective fans to lower the temperature of core components, prolong life time
- Natural convection for longer life

SAJ Solar Inverter Technical Data

Suntrio Plus 4K/5K/6K/8K/10K



| Type | Suntrio Plus 4K | Suntrio Plus 5K | Suntrio Plus 6K | Suntrio Plus 8K | Suntrio Plus 10K |
|---------------------------------------|--|-----------------|-----------------|-----------------|------------------|
| Input (DC) | | | | | |
| Max. DC Power [W] | 4200 | 5300 | 6300 | 8400 | 10500 |
| Max. DC Voltage [V] | 1000 | | | | |
| MPPT Voltage Range [V] | 160-900 | | | | |
| Nominal DC Voltage [V] | 600 | | | | |
| Start Voltage [V] | 180 | | | | |
| Min. DC Voltage [V] | 150 | | | | |
| Max. DC Input Current PV1 / PV2 [A] | 11/11 | | | | 22/11 |
| Number of MPPT | | | 2 | | |
| Number of DC Connection Sets per MPPT | 1/1 | | | | 2/1 |
| DC Switch | Integrated | | | | |
| Output (AC) | | | | | |
| Rated AC Power [VA] (@230V,50Hz) | 4000 | 5000 | 6000 | 8000 | 10000 |
| Max. AC Apparent Power [VA] | 4000 | 5000 | 6000 | 8000 | 10000 |
| Rated AC Current [A] | 5.8 | 7.2 | 8.7 | 11.6 | 14.5 |
| Max. AC Current [A] | 6.4 | 8.1 | 9.7 | 12.9 | 15.9 |
| Nominal AC Voltage / Range | 3/N/PE, 220/380V, 230/400V, 240/415V; 180V-280V/312V-485V | | | | |
| Grid frequency / Range | 50Hz, 60Hz / 44Hz-55Hz, 54-65Hz | | | | |
| Power factor, Adjustable [cos φ] | 0.9 leading~0.9 lagging | | | | |
| Total Harmonic Distortion [THDi] | < 3% (at nominal power) | | | | |
| Feed-in Phase / Connection Phase | 3/3 | | | | |
| Efficiency | | | | | |
| Max. Efficiency | 97.8% | 97.8% | 97.8% | 98.0% | 98.0% |
| Euro Efficiency (at 600Vdc) | 97.0% | 97.2% | 97.4% | 97.5% | 97.6% |
| MPPT Accuracy | >99.5% | | | | |
| Protection | | | | | |
| Internal Over-voltage Protection | Integrated | | | | |
| DC Insulation Monitoring | Integrated | | | | |
| DCI Monitoring | Integrated | | | | |
| GFCI Monitoring | Integrated | | | | |
| Grid Monitoring | Integrated | | | | |
| AC Short Circuit Current Protection | Integrated | | | | |
| Thermal Protection | Integrated | | | | |
| Anti-island protection monitoring | AFD | | | | |
| Interface | | | | | |
| DC Connection | MC4/H4 | | | | |
| AC Connection | Plug-in connector | | | | |
| LCD Display | 3.5 inch Graphic LCD Display, Backlight, Inverter Parameter and Data Display | | | | |
| Display Language | Multi Language | | | | |
| Datalogger & Communication | 1*RS485 / 1*RS232 / Wi-Fi (Optional) | | | | |
| General Data | | | | | |
| Topology" | Transformerless | | | | |
| Consumption at Night [W] | <0.6 | | | | |
| Consumption at Standby [W] | <10 | | | | |
| Operating Temperature Range | -25°C to +60°C (45°C to 60°C with derating) | | | | |
| Cooling Method | Natural Convection | | | | |
| Ambient Humidity | 0% to 95% Non-condensing | | | | |
| Altitude | Up to 2000m (without power derating) | | | | |
| Noise [dBA] | <29 | | | | |
| Ingress Protection | IP65 (Indoor & Outdoor Installation) | | | | |
| Mounting | Rear Panel | | | | |
| Dimensions (W*H*D) [mm] | 530*355*190 | | | | 530*355*200 |
| Weight [kg] | 22 | | | | 24.6 |
| Standard Warranty [Year] | 5 (Standard) / 10 / 15 / 20 / 25 (Optional) | | | | |
| Certificates | IEC62109-1/2, IEC61000-6-2/3, IEC61683, IEC60068-2, IEC62116, IEC61717, PEA/MEA, NRS 097-2-1, UTE-C-15-712-1, VDE0126-1-1/A1, VDE-AR-N 4105, AS4777.2, AS4777.3, C-TICK, CQC NB/T 32004, G83-2, NBR 16149, NBR 16150, TF 3.2.1, C10/11 | | | | |

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