

On-grid Single Phase Inverter

Sununo Plus 1K/1.5K

SAJ

GUANGZHOU SANJING ELECTRIC CO., LTD



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 5.6kg
- 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

Technical Data

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
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]	5.3	7.9
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	1L+N+PE	
Efficiency		
Max. Efficiency	97.1%	97.2%
Euro Efficiency [at 360Vdc]	96.6%	96.7%
MPPT Accuracy	>99.5%	
Protection		
DC Switch	Integrated	
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	
Display Language	English	
Datalogger & Communication	RS232 (Standard) / Wi-Fi (Optional)	
General Data		
Topology	Transformerless	
Operating Temperature Range	-25°C to +60°C	
Cooling Method	Natural Convection	
Ambient Humidity	0% to 100% Non-condensing	
Altitude	Up to 2000m	
Noise [dBA]	<15	
Ingress Protection	IP65 (Indoor & Outdoor Installation)	
Mounting	Wall Bracket	
Dimensions (H*W*D) [mm]	315*260*120	
Net Weight [kg]	5.6	
Standard Warranty [Year]	5 (Standard) / 10 / 15 / 20 / 25 (Optional)	
Certificates	IEC62109-1/2, IEC61000-6-2/3, IEC61683, IEC60068-2, IEC62116, IEC61727, 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	



RITIKA



SOLAR PANELS | GRID INVERTERS | BOS | EPC | PROJECT MANAGEMENT

Ritika Systems Private Limited
 Corporate Head Office: C-22/18 Sector-57 Noida, UP -201301
 +91-8800564525 | 7042196152 | 7042196144 | 7042196153

DELHI | UP | HP | HARYANA | RAJASTHAN | PUNJAB | J & K | NEPAL | AFGHANISTAN

On-grid Single Phase Inverter

Sununo Plus 2K/2.5K/3K/3.6K

SAJ
GUANGZHOU SANJING ELECTRIC CO., LTD



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 7.8kg
- 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

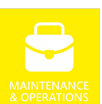
- IP65 protection for indoor and outdoor installation
- Aluminum case design to enhance heat dissipation and prevent rust corrosion, prolong life time
- Optional built-in high voltage DC switch for safer maintenance and application
- Natural convection for longer life

Technical Data

Type	Sununo Plus 2K	Sununo Plus 2.5K	Sununo Plus 3K	Sununo Plus 3.6K
Input (DC)				
Max. DC Power [W]	2400	3000	3630	4420
Max. DC Voltage [V]	500	500	550	600
MPPT Voltage range [V]	60-450	60-450	60-500	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
Output (AC)				
Rated AC Power [W]	2000	2500	3000	3680
Max. AC Power [W]	2200	2750	3300	3680
Rated AC Current [A]	8.7	10.9	13.0	16.0
Max. AC Current [A]	10.6	13.3	15.9	17.6
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	1L+N+PE			
Efficiency				
Max. Efficiency	97.4%	97.5%	97.6%	97.6%
Euro Efficiency [at 360Vdc]	96.9%	97.0%	97.1%	97.1%
MPPT Accuracy	> 99.5%			
Protection				
DC Switch	Integrated			
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			
Display Language	English			
Datalogger & Communication	RS232 (Standard) / Wi-Fi (Optional)			
General Data				
Topology	Transformerless			
Operating Temperature Range	-25°C to +60°C			
Cooling Method	Natural Convection			
Ambient Humidity	0% to 100% Non-condensing			
Altitude	Up to 2000m			
Noise [dBA]	<25			
Ingress Protection	IP65 (Indoor & Outdoor Installation)			
Mounting	Wall Bracket			
Dimensions (H*W*D) [mm]	354*305*120			
Net Weight [kg]	7.8	8.3	8.4	8.4
Standard Warranty [Year]	5 (Standard) / 10 / 15 / 20 / 25 (Optional)			
Certificates	IEC62109-1/2, IEC61000-6-2/3, IEC61683, IEC60068-2, IEC62116, IEC61727, 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			



RITIKA



SOLAR PANELS | GRID INVERTERS | BOS | EPC | PROJECT MANAGEMENT

Ritika Systems Private Limited

Corporate Head Office: C-22/18 Sector-57 Noida, UP -201301

+91-8800564525 | 7042196152 | 7042196144 | 7042196153

On-grid Single Phase Inverter

Sununo Plus 3K-M/4K-M/5K-M/6K-M



GUANGZHOU SANJING ELECTRIC CO., LTD



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 various solar panels and string designs
- 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

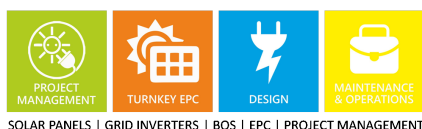
Technical Data

Type	Sununo Plus 3K-M	Sununo Plus 4K-M	Sununo Plus 5K-M	Sununo Plus 6K-M
Input (DC)				
Max. DC Power [W]	3630	4840	6050	7200
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	
Output (AC)				
Rated AC Power [W] (@230V,50Hz)	3000	3680 ¹ /4000	4600 ² /5000	6000
Max. AC Power [VA]	3300	3680/4400	4600/5500	6000
Rated AC Current [A]	13.0	16.0/17.4	20.0/21.7	26.1
Max. AC Current [A]	15.9	16.0/21.0	22.2/26.7	28.7
Nominal AC voltage/ range		220V, 230V, 240V/180V-280V		
Grid frequency/ range		50Hz, 60Hz/±5Hz		
Power factor [cos φ]		~1(0.8 leading~0.8 lagging)		
Total Harmonic Distortion [THDi]		< 3%		
Feed-in		1L+N+PE		
Efficiency				
Max. Efficiency	97.4%	97.5%	97.6%	97.9%
Euro Efficiency [at 360Vdc]	97.0%	97.1%	97.2%	97.5%
MPPT Accuracy		>99.5%		
Protection				
DC Switch		Integrated		
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		
Display Language		English		
Datalogger & Communication		RS232 (Standard) / Wi-Fi (Optional)		
General Data				
Topology		Transformerless		
Operating Temperature Range		-25°C to +60°C		
Cooling Method		Natural Convection		
Ambient Humidity		0% to 100% Non-condensing		
Altitude		Up to 2000m		
Noise [dBA]		<25		
Ingress Protection		IP65 (Indoor & Outdoor Installation)		
Mounting		Wall Bracket		
Dimensions (H*W*D) [mm]		454*355*150		454*355*162
Net Weight [kg]		15.8		
Warranty [Year]		5 (Standard) / 10 / 15 / 20 / 25 (Optional)		
Certificates		IEC62109-1/2, IEC61000-6-2/3, IEC61683, IEC60068-2, IEC62116, IEC61727, 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		

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.



RITIKA



SOLAR PANELS | GRID INVERTERS | BOS | EPC | PROJECT MANAGEMENT

Ritika Systems Private Limited
Corporate Head Office: C-22/18 Sector-57 Noida, UP -201301
+91-8800564525 | 7042196152 | 7042196144 | 7042196153

DELHI | UP | HP | HARYANA | RAJASTHAN | PUNJAB | J & K | NEPAL | AFGHANISTAN

On-grid Three Phase Inverter

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

SAJ

GUANGZHOU SANJING ELECTRIC CO., LTD



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 various solar panels and string designs
- 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 LCD graphical display, showing daily/monthly/yearly generation
- 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

Technical Data

Type	Suntrio Plus 4K	Suntrio Plus 5K	Suntrio Plus 6K	Suntrio Plus 8K	Suntrio Plus 10K
Input (DC)					
Max. DC Power [W]	8000	10000	12000	15000	18000
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		
Output (AC)					
Rated AC Power [W] (@230V,50Hz)	4000	5000	6000	8000	10000
Max. AC Power [VA]	4400	5500	6600	8800	10000
Rated AC Current [A]	5.8	7.2	8.7	11.6	14.5
Max. AC Current [A]	7.0	8.8	10.5	14.1	16.1
Nominal AC Voltage / Range	230/400V; 312V-485V				
Grid frequency / Range	50Hz, 60Hz / 44Hz-55Hz, 54-65Hz				
Power factor, Adjustable [cos φ]	~1 (0.8 leading~0.8 lagging)				
Total Harmonic Distortion [THDI]	< 3% (at nominal power)				
Feed-in	3L+N+PE				
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					
DC Switch	Integrated				
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				
Display Language	English				
Datalogger & Communication	1*RS485 / 1*RS232 / Wi-Fi (Optional)				
General Data					
Topology	Transformerless				
Operating Temperature Range	-25°C to +60°C				
Cooling Method	Natural Convection				
Ambient Humidity	0% to 100% Non-condensing				
Altitude	Up to 2000m				
Noise [dBA]	<29				
Ingress Protection	IP65 (Indoor & Outdoor Installation)				
Mounting	Wall Bracket				
Dimensions (H*W*D) [mm]	530*355*190			530*355*200	
Net Weight [kg]	20.5			23.0	
Standard Warranty [Year]	5 (Standard) / 10 / 15 / 20 / 25 (Optional)				
Certificates	IEC62109-1/2, IEC61000-6-2/3, IEC61683, IEC60068-2, IEC62116, IEC61727, 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				



RITIKA



SOLAR PANELS | GRID INVERTERS | BOS | EPC | PROJECT MANAGEMENT

Ritika Systems Private Limited

Corporate Head Office: C-22/18 Sector-57 Noida, UP -201301

+91-8800564525 | 7042196152 | 7042196144 | 7042196153

On-grid Three Phase Inverter

Suntrio Plus 12K/15K/17K/20K

SAJ

GUANGZHOU SANJING ELECTRIC CO., LTD



Dual MPPT

BENEFITS

Flexible and Efficient

- Optimized global MPPT algorithm, MPPT efficiency higher than 99.5%
- Dual MPPT which are compatible to all kinds of solar roofs
- Max. efficiency of 98.5%, European efficiency of 98.2%
- Super wide input voltage range(180V-1000V), supporting various solar panels and string designs

Convenient Installation

- Aluminum case design, smaller and lighter
- Integrate DC combiner box, reduce system cost
- Separate area for maintenance, easy and quick for repair

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 generation
- Integrated with the function of reactive power control & ZVRT, responds to power grid dispatching, energy management of grid
- Integrate string current monitoring, monitor string working status

Safe and Reliable

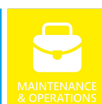
- IP65 protection for indoor and outdoor installation
- Optional DC&AC surge protection, guarantee system safety
- Optional Anti-PID module, protect panels from PID damage
- Aluminum case design to enhance heat dissipation and resist rust corrosion, prolong life time

Technical Data

Type	Suntrio Plus 12K	Suntrio Plus 15K	Suntrio Plus 17K	Suntrio Plus 20K
Input (DC)				
Max. DC Power [W]	18000	20000	22100	24200
Max. DC Voltage [V]			1000	
MPPT Voltage Range [V]			180-900	
Nominal DC Voltage [V]			600	
Start Voltage [V]			200	
Min. DC Voltage [V]			180	
Max. DC Input Current PV1 / PV2 [A]	22/11	22/22	22/22	22/22
Number of MPPT			2	
Number of DC Connection Sets per MPPT	2/1	2/2	2/2	2/2
Output (AC)				
Rated AC Power [W](@230V,50Hz)	12000	15000	17000	20000
Max. AC Power [VA]	13200	16500	18700	22000
Rated AC Current [A]	17.4	21.7	24.6	29.0
Max. AC Current [A]	20.0	25.0	28.3	33.0
Nominal AC voltage/ range			230/400V; 312V-485V	
Grid frequency / range			50Hz, 60Hz / 44Hz-55Hz, 54-65Hz	
Power factor,adjustable[cos φ]			~1(0.8 leading~0.8 lagging)	
Total Harmonic Distortion (THDi)			< 3% (at nominal power)	
Feed-in			3L+N+PE	
Efficiency				
Max. Efficiency	98.3%	98.4%	98.5%	98.5%
Euro Efficiency (@ 600Vdc)	98.0%	98.1%	98.2%	98.2%
MPPT Accuracy			>99.5%	
Protection				
DC Switch			Integrated	
Internal Over-voltage Protection			Integrated	
DC Insulation Monitoring			Integrated	
DCI Monitoring			Integrated	
GFCI Monitoring			Integrated	
Grid Monitoring			Integrated	
AC Short Circuit Current Protection			Integrated	
LVRT			Integrated	
Thermal Protection			Integrated	
AC Surge Protection			III (Integrated)	
String Current Monitoring			Integrated	
DC SPD			II (Optional)	
DC Fuse			Optional	
Anti-island protection monitoring			AFD	
Interface				
DC Connection			MC4/H4	
AC Connection			Terminal Block	
LCD & LED Display			3.5 inch Graphic LCD Display	
Display Language			English	
Communication port			2*RS485+1*RS232	
Communication			Wi-Fi/GPRS/Ethernet (Optional)	
General Data				
Topology			Transformerless	
Operating Temperature Range			-25°C to +60°C	
Cooling Method			Intelligent fan	
Ambient Humidity			0% to 100% Non-condensing	
Altitude			3000m	
Noise [dBA]			<35	
Ingress Protection			IP65 (Indoor & Outdoor Installation)	
Mounting			Wall Bracket	
Dimensions (H*W*D) [mm]			640*450*232	
Weight [kg]		29		33
Standard Warranty [Year]			5 (Standard) / 10 / 15 / 20 / 25 (Optional)	
Certificates			IEC62109-1/2, IEC61000-6-2/3, IEC61683,IEC60068-2,IEC62116,IEC61727,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,G59-3,NBR 16149,NBR 16150,TF 3.2.1	



RITIKA



SOLAR PANELS | GRID INVERTERS | BOS | EPC | PROJECT MANAGEMENT

Ritika Systems Private Limited

Corporate Head Office: C-22/18 Sector-57 Noida, UP -201301

+91-8800564525 | 7042196152 | 7042196144 | 7042196153

DELHI | UP | HP | HARYANA | RAJASTHAN | PUNJAB | J & K | NEPAL | AFGHANISTAN

On-grid Three Phase Inverter

Suntrio Plus 25K/33K/40K/50K/60K



GUANGZHOU SANJING ELECTRIC CO., LTD



Three MPPT

BENEFITS

Flexible and Efficient

- Optimized global MPPT algorithm, MPPT efficiency higher than 99.5%
- Three MPPT which are compatible to all kinds of solar roofs
- Max. efficiency of 98.8%, European efficiency of 98.5%
- Super wide input voltage range(180V-1000V), supporting various solar panels and string designs

Convenient Installation

- Aluminum case design, smaller and lighter
- Integrate DC combiner box, reduce system cost
- Separate area for maintenance, easy and quick for repair

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 generation
- Integrated with the function of reactive power control & ZVRT, responds to power grid dispatching, energy management of grid
- Integrate string current monitoring, monitor string working status

Safe and Reliable

- IP65 protection for indoor and outdoor installation
- Optional DC&AC surge protection, guarantee system safety
- Optional Anti-PID module, protect panels from PID damage
- Aluminum case design to enhance heat dissipation and resist rust corrosion, prolong life time

Technical Data

Type	Suntrio Plus 25K	Suntrio Plus 33K	Suntrio Plus 40K	Suntrio Plus 50K	Suntrio Plus 60K
Input (DC)					
Max. DC Power [W]	36000	39600	56000	65000	80000
Max. DC Voltage [V]			1000		
MPPT Voltage Range [V]	180-900			280-900	
Nominal DC Voltage [V]			600		
Start Voltage[V]	200			300	
Min. DC Voltage[V]	180			250	
Max. DC Input Current PV1 / PV2 [A]	22/22/22			40/30/30	
Number of MPPT			3		
Number of DC Connection Sets per MPPT	2/2/2			4/3/3	
Output (AC)					
Rated AC Power [W](@230V,50Hz)	25000	30000	40000	50000	60000
Max. AC Power [W]	27500	33000	44000	55000	60000
Rated AC Current [A]	36.2	43.5	58.0	72.5	87.0
Max. AC Current [A]	42.0	50.0	65.0	80.0	90.0
Nominal AC voltage/ range	230/400V; 312V-485V				
Grid frequency / range	50Hz, 60Hz / 44Hz-55Hz, 54-65Hz				
Power factor,adjustable [cos φ]	~1(0.8 leading~0.8 lagging)				
Total Harmonic Distortion (THDi)	< 3% (at nominal power)				
Feed-in	3L+N+PE				
Efficiency					
Max. Efficiency	98.6%	98.8%	98.8%	98.8%	98.9%
Euro Efficiency (@ 600Vdc)	98.4%	98.5%	98.5%	98.5%	98.6%
MPPT Accuracy	>99.5%				
Protection					
DC Switch	Integrated				
Internal Over-voltage Protection	Integrated				
DC Insulation Monitoring	Integrated				
DCI Monitoring	Integrated				
GFCI Monitoring	Integrated				
Grid Monitoring	Integrated				
AC Short Circuit Current Protection	Integrated				
LVRT	Integrated				
Thermal Protection	Integrated				
AC SPD	II (Integrated)				
String Current Monitoring	Integrated				
DC SPD	II (Integrated)				
DC Fuse	Optional				
Anti-island protection monitoring	AFD				
Interface					
DC Connection	MC4/H4				
AC Connection	Terminal Block				
LCD & LED Display	3.5 inch Graphic LCD Display				
Display Language	English				
Communication port	2*RS485、 1*RS232				
Communication	Wi-Fi/GPRS/Ethernet (Optional)				
General Data					
Topology	Transformerless				
Operating Temperature Range	-25°C to +60°C				
Cooling Method	Intelligent fan				
Ambient Humidity	0% to 100% Non-condensing				
Altitude	3000m				
Noise [dBA]	<35				
Ingress Protection	IP65 (Indoor & Outdoor Installation)				
Mounting	Wall Bracket				
Dimensions (H*W*D) [mm]	700*530*260		800*550*280		
Weight [kg]	48		68		
Standard Warranty [Year]	5 (Standard) / 10 / 15 / 20 / 25 (Optional)				
Certificates	IEC62109-1/2, IEC61000-6-2/3, IEC61683,IEC60068-2,IEC62116, IEC61727,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,G59-3,NBR 16149,NBR 16150,TF 3.2.1				



RITIKA



SOLAR PANELS | GRID INVERTERS | BOS | EPC | PROJECT MANAGEMENT

Ritika Systems Private Limited

Corporate Head Office: C-22/18 Sector-57 Noida, UP -201301

+91-8800564525 | 7042196152 | 7042196144 | 7042196153

DELHI | UP | HP | HARYANA | RAJASTHAN | PUNJAB | J & K | NEPAL | AFGHANISTAN