



Su-Kam[®] SOLAR

A NEW LIGHT FOR HIGHER SAVINGS

GRID TIE SOLAR INVERTERS



PRODUCT FEATURES

- Transformerless Inverter
- Multiple MPPT Tracker
- Peak Efficiency up to 98.4%
- Wide Voltage Range (80~1000Vdc)
- Reactive Power Control
- Ergonomic Grip Design
- Ultra Compact Size
- Built-in Energy-logger
- IP65 Protection Level
- Built-in DC Switch



MODELS | • 1.5 KW-SM • 2 KW-SM • 3 KW-SM
• 5 KW-DM • 10 KW- DM • 20 KW-DM
• 30 KW-TM • 50 KW-TM



Features



High Total Efficiency

High reliability and efficiency with low auxiliary consumption of rapid return on investment. MPPT efficiency > 99.9% ; Maximum efficiency > 97.5%



PV Compatibility

Su-Kam Grid Tie Inverter is designed to take advantage of solar modules configured as high voltage PV string arrays-with an input voltageMaximum Power Point Range of 150 to 550 VDC



Maximum Power Point Tracking (MPPT)

Su-Kam Grid Tie Inverters use Maximum Power Point technology (MPPT) to harvest the maximum amount of energy from the solar array. Provide single & double MPP tracker for different application demand.



Expandable

Multiple Grid Tie Inverter may be networked together for increased net metering capacity or future system growth. Parallel 50 upto via RS485 port.



Advanced Grid Support Functionality

Extensive grid code compatibility and adjustability.



Proven Technology Platform

High reliability and long operating life for secured return on investment.



Compact State of the Art design

Transformer less design. Low space requirement, with fast and easy installation and serviceability for reduce overall cost.



Life Cycle Service & Support

Rapid support anywhere through Su-Kam's extensive service network.



Robust Enclosure with IP65 rating

Suitable for outdoor installation.

Communication Interface & Monitoring Software



Versatile communication interface
Standard **RS485, RS232**

Monitoring Software
Provides operational status and electricity generated data

Display



Liquid crystal display (LCD) providing easy-to-read system status and daily cumulative energy production information

Protections

- Anti Islanding
- All-pole fault current monitoring unit
- Environmental Protection - Ip65
- DC reverse polarity protection
- Ground fault monitoring
- AC short-circuit Protection

IEC Certified

EMC Standard : EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, En55022, EN61000-3-2, EN61000-3-12, EN61000-3-3, EN61000-3-11

Safety Standard : VDE0126-1-1, VDE AR N4105, En50178, IEC62109, DK5940/ENEL

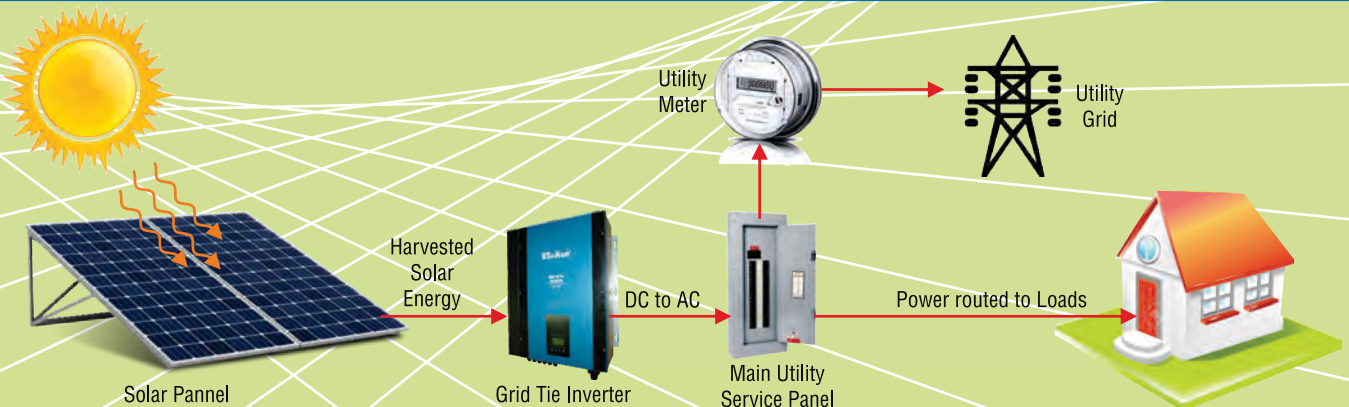
GO GREEN

USE RENEWABLE ENERGY



SU-KAM RADIANT SERIES (SRS)-GRID TIE STRING INVERTERS

| Model | 1.5K-SM | 2K-SM | 3K-SM | 5K-DM | 10K-DM | 20 K-DM | 30 K-TM | 50K- TM |
|--|---|----------------------------------|-------|-------------|-------------------------|---------|----------------|---------|
| INPUT | | | | | | | | |
| Max. Dc Input Power | 1800W | 2400W | 3300W | 5500W | 11.5kW | 22.5 KW | 33 KW | 60KW |
| Max DC Input | 500VDC | | | | 1000Vdc | | | |
| MPPT Tracking voltage range | 80V ~450Vdc | 150~450Vdc(Rated Voltage 360Vdc) | | | 250~950Vdc | | 250~850Vdc | |
| No. of MPPT tracking | 1 | | | 2 | 2 | | 3 | |
| Max Input Current for each tracking | 9A | 11A | 17A | 15A x 2 | 13A/13A | 21A/21A | 26Ax3 | 36Ax3 |
| OUTPUT | | | | | | | | |
| rated output power | 1500w | 2000w | 3000w | 5000W | 10 KW | 20KW | 30KW | 50KW |
| Max. AC out put power | 1650W | 2200W | 3100W | 5100W | 11KW | 22KW | 30.5KW | 51KW |
| rated output Voltage | 230 Vac | | | | 400 Vac | | | |
| Output volatge range | 184~276Vac | | | | 400V ± 20% (ADJUSTABLE) | | | |
| Grid frequency range | 50/60Hz(±5Hz), (Adjustable) | | | | | | | |
| Rated output current | 6.5A | 8.7A | 13A | 21.7 | | | 44A | 72A |
| Max. output current | 9A | 11A | 15A | 24A | 17A | 32A | 48A | 75A |
| Power factor cosΦ | 1 | | | | | | .9 LEADING-0.9 | |
| Total Harmonic Current Distortin(THDI) | <3% | | | | | | | |
| SYSTEM FEATURES | | | | | | | | |
| Max Efficiency | 96%~98% | | | | | | | |
| Euro Efficiency | 96%~98% | | | | | | | |
| MPPT Efficiency | >99.9% | | | | | | | |
| Stand By (Night time) losses | <0.2W | | | | 2W | | | |
| Dc switch | Optional | | | | | | | |
| Communication Interface | RS485 Standard, external WIFI or ethernet opt. | | | | | | | |
| ENVIRONMENTAL | | | | | | | | |
| Operating Temperature | -20°C~60°C | | | | | | | |
| Humidity Range | (0~95% non condensing) | | | | | | | |
| Altitude | 2000AMP | | | | 3000AMP | | | |
| Noise Level | < 25dB (1 meter From surface) | | | | ≤40 dB | | <60dB | |
| Protection rating | IP 65 | | | | | | | |
| PHYSICAL | | | | | | | | |
| Dimension W X D X H (MM) | 335x170x580 | | | 395x180x637 | 550x700x250 | | 636x257x896 | |
| Shipping Weight(KG) | 15.8 | 18.2 | 25.8 | 35 | 39 | 60 | 65 | |
| STANDARDS | | | | | | | | |
| Safety | IEC/EN62109-1,IEC/EN62109-2,VDE0126-1-1,VDE AR N4105, G83/59/EEG2012, AS 3100, CEI 0-21,CNCA/CTS0006:2010,CNCA/CTS0004:2009A, NB/T 32004-2013,ETC | | | | | | | |
| EMC | EN61000-6-2, EN61000-6-3, ETC | | | | | | | |



APPLICATION AREAS



Educational Institute



House Hold



Hospitals



Small & Medium Commercial



Petrol Pumps



Hotels

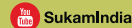


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How to Install this Product?

Watch our step-by-step installation video for these products on our Youtube Channel. We have made many interesting videos to help you understand various features in our products.



Got Questions About this Product?

Please call our toll-free number (1800 102 4423 - for India only) or message us on our Facebook Page and we will answer all your questions.



Su-Kam[®]

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