

# Su-Kam<sup>®</sup> 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

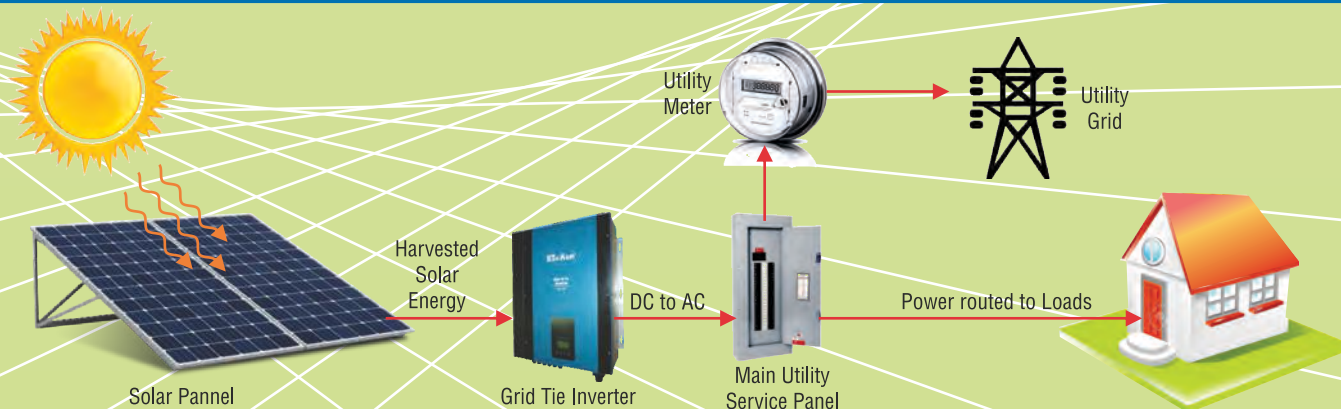
# GO GREEN

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
<b>INPUT</b>								
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
<b>OUTPUT</b>								
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%							
<b>SYSTEM FEATURES</b>								
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.							
<b>ENVIRONMENTAL</b>								
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							
<b>PHYSICAL</b>								
Dimension W X D X H ( MM)	335x170x580			395x180x637	550x700x250		636x257x896	
Shipping Weight(KG)	15.8	18.2	25.8	35	39	60	65	
<b>STANDARDS</b>								
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

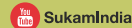


**Su-Kam<sup>®</sup>**  
**SOLAR**



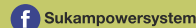
### How to Install this Product?

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<sup>®</sup>**  
**SU-KAM POWER SYSTEMS LTD.**



Office : 15 floor, The Pride Building, An Hung Urban, Hadong Dist, Hanoi City, Vietnam  
Tel: +84 (4) 6259 1211 Fax: +84 (4) 6664 2221  
Email : info@sigmavn.vn • Website: www.sigmavn.vn