

High-yield

- Max 97.2% efficiency
- Real time precise MPPT algorithm for max harvest
- Wide input voltage operation range

All in one, flexible and economical system solution

- Free site selection due to IP65
- Easy installation and maintenance due to "Plug & Play" connection
- Interface selection — Wi-Fi / Rs485 / GPRS
- Larger display to monitor data (4" LCD display)

Low maintenance cost

- Detachable cover for easy installation
- Rust-free Aluminum covers
- Flexible monitoring solution

Intelligent grid management

- Reactive power capability
- Self power reducer when over frequency
- Remote active/reactive power limit control

Protections

- DC reverse polarity protection
- DC Switch
- Anti islanding protection, ground fault monitoring
- IP 65
- Over voltage protection

Available Models

Sofar1100TL	1.1 KVA (1 Ph)
Sofar2200TL,	2.2 KVA (1 Ph)
Sofar3000TL,	3 KVA (1 Ph)
Sofar5KTL-X,	5 KVA (3 Ph)
Sofar6KTL-X,	6 KVA (3 Ph)
Sofar8KTL-X,	8 KVA (3 Ph)
Sofar10KTL-X,	10 KVA (3 Ph)
Sofar20000TL	20 KVA (3 Ph)
Sofar30000TL	30 KVA (3 Ph)
Data monitoring	Wi-Fi device

SUNTASTIC SOLAR SYSTEMS PVT LTD

ON GRID STRING INVERTER



SUNTASTIC SOLAR SYSTEMS PVT LTD

An MNRE,ISO 9001,14001,CE,IEC,OHSAS 18001 Certified & Government Recognized

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IEC 61683; IEC 60068; IEC 61727; IEC 62116; IP 65 Protection; Safety Compliance IEC 62109; EMC;VDE - AR - N4105;VDE-0126

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Technical Data	1100 TL	2200 TL	3000 TL	5 KTL - X	6.6 KTL - X	8.8 KTL - X	11 KTL - X	20000 TL	30000 TL
Input	Single Phase Models			Three Phase Models					
Max. Input Power	1100 W	2200W	3000W	6000W	7200W	9600W	11000W	20800W	30720W
Number of independent MPPT	1	1	1	2	2	2	2	2	2
Max.DC Power for single MPPT	1100 W	2200W	3000W	2900W	3500W	4600W	5800W	12000W	18000W
Number of DC Inputs	1 for each MPPT			1 for each MPPT				2 for each MPPT	4 for each MPPT
Max. Input Voltage	450V	500V	550V	1000 V					
Start up input voltage	100V	120V	120V	180V				350V	
Rated input voltage	360V	360V	360V	600 V					
MPPT Voltage Range	80-450V	100-500V	200-500V	160V-960V				250V-960V	
Full load DC Voltage range	110-450V	170-500V	200-500V	240V-850V	290V-850V	380V-850V	480V-850V	430V-850V	480V-800V
Max. input current per MPPT	10A	10A	10A	11A				24A	64A
Input short circuit current for each MPPT	12A	12A	12A	14A				30A	12A
Output (AC)									
Rater power	1000VA	2000VA	2900VA	5500VA	6600VA	8800VA	11000VA	20000VA	27600VA
Max. AC Power	1000VA	2000VA	2900VA	5500VA	6600VA	8800VA	11000VA	20000VA	30000VA
Max. Output current	4.5A	9.5A	13A	8A	9.6A	12.8A	15.9A	29A	43A
Nominal Grid Voltage	230V	230V	230V	3/N/PE,220/415					
Grid voltage Range	180 - 270 V (According to local standard)			180 - 270 V (According to local standard)					
Nominal frequency range	50 Hz			50 Hz					
Grid frequency range	47 - 53 Hz			47 - 53 Hz					
Active power adjustable range	0-100%			0-100%					
THDi	<3%			<3%					
Power Factor	1 (adjustable +/- 0.8)			1 (adjustable +/- 0.8)					
Performance									
Max. Efficiency	97%	97.10%	97.20%	98.30%				98.50%	98.50%
Self Consumption at night	<1W			<1W					
Feed - in start power	20W			20W					
MPPT Efficiency	>99.5 %			>99.5 %					
Communication									
Power management unit	According to certification and request			According to certification and request					
Standard Commiunication mode	wifi, RS485, GPRS(optional),SD card			wifi, RS485, GPRS(optional),SD card					
Operation data storage	25 years			25 years					
General Data									
Ambient Temperature Range	-20° C to 65° C			-20° C to 65° C					
Topology	Transformerless			Transformerless					
Degree of protection	IP65			IP65					
Allowable relative humidity range	0 to 95 % no condensing			0 to 95 % no condensing					
Max. Operating altitude	2000m			2000m					
Noise	<29 dB			<29 dB					
Weight	11 kg	11 kg	11 kg	21kg	21kg	22kgs	22kgs	45kgs	50kgs
Cooling	Natural			Natural					
Dimension	405*314*135 mm			483*452*200mm				707*492*240mm	708*492*258mm
Display	4" LCD Display			4" LCD Display					
Warranty	5 years			5 years (Options for Extendable warranty up to 10 years, 15 years and 20 years)					