

**Guangzhou Sanjing Electric Co., Ltd.**Address: No. 17 Xiangshan Rd, Guangzhou Science City, Guangdong, P.R. China (Zip: 510663)  
Tel: (86)20 66608532 Fax: (86)20 66608617 E-mail: info@sajelec.com Web: www.saj-solar.com**SAJ Solar Inverter Data Sheet**  
**Sununo Single phase Series**  
**Sununo-TL1.5K/2K**

Type	Sununo-TL1.5K	Sununo-TL2K
<b>Input (DC)</b>		
Max. DC Power [W]	1800	2300
Max. DC Voltage [V]	480	
MPPT Voltage Range [V]	120-384	
MPPT Voltage Range[V](Full Load)	164-384	190-384
DC Nominal Voltage [V]	360	
Start Voltage [V]	150	
Min. DC Voltage [V]	100	
Max. DC Current (/ Per String)[A]	11	12
Number of DC Connection Sets	1	
Number of MPP Trackers	1	
DC Switch	Optional	
<b>Output (AC)</b>		
Rated AC Power [W]	1500	2000
Max. AC Power [W]	1650	2000
Rated AC Current [A]	6.5	8.7
Max. AC Current [A]	8.5	11.0
Norminal AC Voltage/Range	220V, 230V, 240V/180V-280V	
Grid Frequency/Range	50Hz, 60Hz/ ±5Hz	
Power Factor(cos φ)	1 [full load]	
AC Current Distortion (THD)	< 2%	
Consumption at Night [W]	<0.2	
Consumption at Standby [W]	6	
<b>Efficiency</b>		
Max. Efficiency	97.4%	97.4%
Euro Efficiency (at 360V <sub>dc</sub> )	96.5%	96.7%
MPPT Accuracy	>99.5%	
<b>Protection</b>		
Internal Overvoltage Protection	Integrated	
DC Insulation Monitoring	Integrated	
DC Side Varistors	Integrated	
Direct Current Monitoring	Integrated	
Ground Fault Current Monitoring	Integrated	
Grid Monitoring	Integrated	
AC Short Current Protection	Integrated	
Thermal Protection	Integrated	
Anti-island protection monitoring	AFD	
<b>Interface</b>		
AC Connection	Terminals	
DC Connection	MC4/H4	
LCD Display	LCD(16x2 Characters, Backlight) & LED(3 Lights)	
Display Language	Multi Language	
Datalogger & Communication	2*RS485(Standard), WiFi/Ethernet(Optional)	
<b>General Data</b>		
Isolation	Transformerless	
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	
Site Altitude above Sea Level	Up to 2000m	
Noise Emission [dB(A)]	<40	
IP Protection	IP65 [Indoor or Outdoor Installation]	
Mounting	Rear Panel	
Dimensions (WxHxD) [mm]	415*313*140	
Weight [kg]	11	
Standard Warranty (Year)	5 / 10/15/20/25 [Optional]	
Safety Class Compliance	AS3100,, IEC62109-1/-2	
EMC Compliance	EN61000-6-1:4, EN61000-3-2:3	
Grid Protection Compliance	VDE 0126-1-1,UTE C15-712-1, G83, C10/11, AS4777,EN50438	