

Technical Data
Sununo-TL3KA & 3KB
www.saj-solar.com

Type	Sununo-TL3KA	Sununo-TL3KB
Input (DC)		
Max. DC Power [W]	3200	
Max. DC Voltage [V]	550	
MPPT Voltage Range [V]	125-440	
MPPT Voltage Range [V](Full Load)	200-440	
DC Nominal Voltage [V]	360	
Start Voltage [V]	150	
Min. DC Voltage [V]	100	
Max. DC Current Input A [A]	16	
Per String Input B [A]	16	
Number of DC Connection Sets	2	1(standard)/2(optional)
Number of MPP Trackers	2	1
DC Switch	Optional	
Output (AC)		
Rated AC Power [W]	3000	
Max. AC Power [W]	3000	
Rated AC Current [A]	13.0	
Max. AC Current [A]	15.0	
Grid Voltage/Frequency Range	According to VDE 0126-1-1, RD1663, ENEL Guideline, G83,C10/C11,AS4777	
Power Factor(cos φ)	>0.99(full load)	
AC Current Distortion (THD)	< 2%	
Consumption at Night [W]	<0.2	
Consumption at Standby [W]	6	
Efficiency		
Max. Efficiency	97.6%	
Euro Efficiency (at 360V _{dc})	97.0%	
MPPT Accuracy	99.9%	
Protection		
Internal Overvoltage Protection	Integrated	
DC Insulation Monitoring	Integrated	
DC/AC Side Varistors	Optional	
Direct Current Monitoring	Integrated	
Ground Fault Current Monitoring	Integrated	
Grid Monitoring	According to VDE 0126-1-1, RD1663, ENEL Guideline, G83,C10/C11,AS4777	
AC Short Current Protection	Integrated	
Thermal Protection	Integrated	
Interface		
AC Connection	Terminals	
DC Connection	H4	
LCD Display	LCD(16x2 Characters, Backlight) & LED(3 Lights)	
Display Language	Multi Language	
Datalogger & Communication	RS485(Standard), USB/Ethernet(Optional)	
General Data		
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 (dBA)	<40	
IP Protection	IP65 (Indoor or Outdoor installation)	
Mounting	Rear Panel	
Dimensions (WxHxD) [mm]	525×425 ×175	450×375 ×177
Weight [kg]	23	21
Standard Warranty (Year)	5 / 10 (Optional)	
Safety Class Compliance	AS3100, IEC/EN62109-1, IEC/EN62109-2	
EMC Compliance	EN61000-6-1:4, EN61000-3-2:3	

