

Sununo-TL5K
On-grid Single Phase Inverter

TWO MPPT



TUV, SAA, CE, G83, G59, VDE 0126-1-1/A1, VDE 4105, RD1699, C10/11, AS4777.3, EN50438

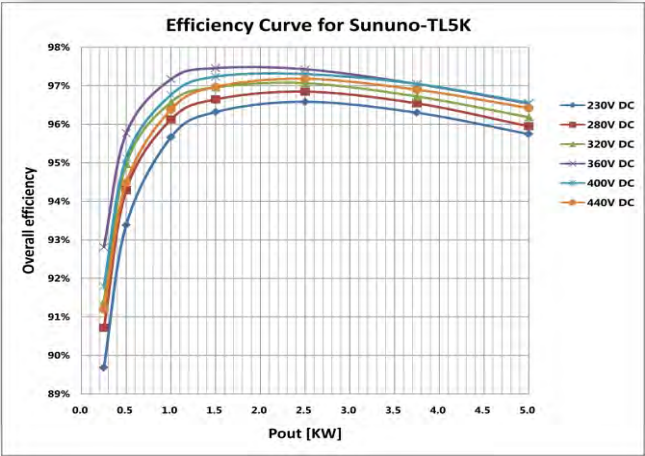


PHOTON test NO.1\* for 2MPPT inverters below 6kW in high irradiation.
\* According to the May Issue 2012 of PHOTON International Magazine.

Max. efficiency 97.71%
Euro efficiency 97.10%

Main Features

- Two independent MPP trackers for flexible configuration.
- Super junction MOSFET integrated with 97.7% Max. efficiency.
- Optimized MPPT efficiency even for very low power.
- Transformerless design for lower cost and compact size.
- IP65 and fan-less for longer-term reliability.
- Ethernet/ Wi-Fi communication interface.
- Integrated Web Server for local and internet monitoring.
- Support SAJ Web Portal Monitoring Solutions.



Type	Sununo-TL5K
Input (DC)	
Max. DC Power [W]	5200
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 / Input B [A]	16 / 16
Number of DC Connection Sets	2
Number of MPP Trackers	2
DC Switch	Optional
Output (AC)	
Rated AC Power [W]	5000
Max. AC Power [W]	5000
Rated AC Current [A]	21.7
Max. AC Current [A]	25
Normal AC Voltage/Range	220V, 230V, 240V/180V~280V
Grid Frequency/Range	50Hz, 60Hz±5Hz
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	97.71%
Euro Efficiency (at 360Vdc)	97.1%
MPPT Accuracy	>99.5%
Protection	
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
Interface	
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), Wi-Fi/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*190
Weight [kg]	26
Standard Warranty (Year)	5 / 10 /15/20/25 [Optional]
Safety Class Compliance	AS3100, IEC62109-1, IEC62109-2
EMC Compliance	EN61000-6-2, EN61000-6-3, EN61000-3-2, EN61000-3-3
Grid Protection Compliance	VDE 0126-1-1/A1,VDE 4105,G83,G59,RD1699, C10/11,AS4777.3,EN50438,CGC/CF004