

Smart String Inverter

SUN2000-17KTL



Smart

- 6 strings intelligent monitoring and fast trouble-shooting
- RS485 and USB ports for connectivity and data management
- Local graphic LCD display and remote monitoring



Efficient

- Max. efficiency 98.6%
- European efficiency 98.3%
- 3 MPPT per unit, effectively reducing string mismatch



Safe

- DC switch integrated, safe and convenient for maintenance
- Residual Current Monitoring Unit (RCMU) integrated
- Fuse free design



Reliable

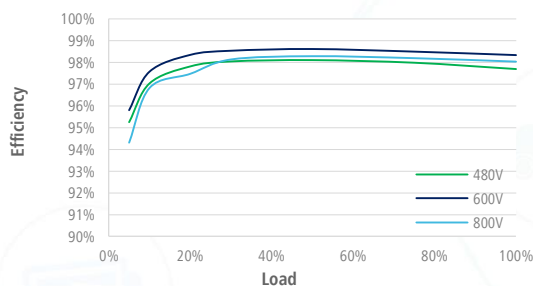
- Natural cooling technology
- Protection degree of IP65
- Type II surge arresters for both DC and AC

Smart String Inverter (SUN2000-17KTL)

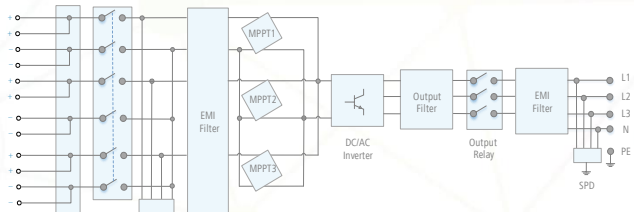


Technical Specifications		SUN2000-17KTL
		Efficiency
Max. Efficiency		98.6%
European Efficiency		98.3%
		Input
Max. Input Voltage		1,000 V
Max. Current per MPPT		18 A
Max. Short Circuit Current per MPPT		25 A
Start Voltage		250 V
MPPT Operating Voltage Range		200 V ~ 950 V
Rated Input Voltage		620 V
Number of Inputs		6
Number of MPP Trackers		3
		Output
Rated AC Active Power		17,000 W
Max. AC Apparent Power		18,700 VA
Max. AC Active Power ($\cos\phi=1$)		18,700 W
Rated Output Voltage		220 V / 380 V, 230 V / 400 V, 3W + N + PE
Rated AC Grid Frequency		50 Hz / 60 Hz
Rated Output Current		25.8 A @380 V / 24.7 A @400 V
Max. Output Current		28.5 A
Adjustable Power Factor Range		0.8 LG ... 0.8 LD
Max. Total Harmonic Distortion		< 3%
		Protection
Input-side Disconnection Device		Yes
Anti-islanding Protection		Yes
AC Overcurrent Protection		Yes
DC Reverse-polarity Protection		Yes
PV-array String Fault Monitoring		Yes
DC Surge Arrester		Type II
AC Surge Arrester		Type II
DC Insulation Resistance Detection		Yes
Residual Current Monitoring Unit		Yes
		Communication
Display		Graphic LCD
RS485		Yes
USB		Yes
		General
Dimensions (W x H x D)		520 x 610 x 266 mm (20.5 x 24.0 x 10.5 inch)
Weight (with mounting plate)		50 kg (110.2 lb.)
Operating Temperature Range		-25°C ~ 60°C (-13°F ~ 140°F)
Cooling Method		Natural Convection
Max. Operating Altitude		3,000 m (9,842 ft.)
Relative Humidity		0 ~ 100%
DC Connector		Amphenol Helios H4
AC Connector		Amphenol C16/3
Protection Degree		IP65
Topology		Transformerless
		Standard Compliance (more available upon request)
Certificate		EN 62109-1/-2, IEC 62109-1/-2, IEC 62116
Grid Code		ABNT, IEC 61727, NB/T 32004-2013, VDE-AR-N-4105, VDE 0126-1-1, G59/3, UTE C 15-712-1, CEI 0-16, CEI 0-21, C10/11 EN 50438-Ireland, EN 50438-Turkey, AS 4777, NRS 097-2-1

Efficiency Curve



Circuit Diagram



SUN2000-17KTL