

SUN2000-200KTL-H4

Smart String Inverter



High Availability
99.999%



99.08%
Max. Efficiency



Complex Grid Adaptation
SCR=1.1 & SCCR=0.7



Harmonic Suppression
THDI≤1%



Modular Design



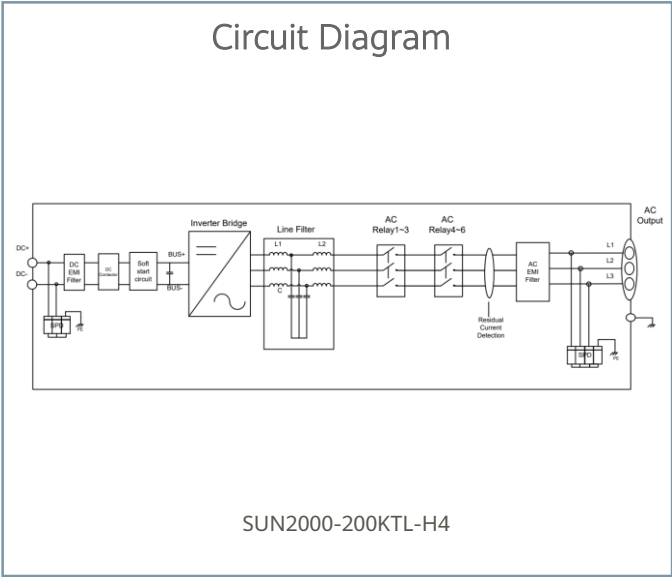
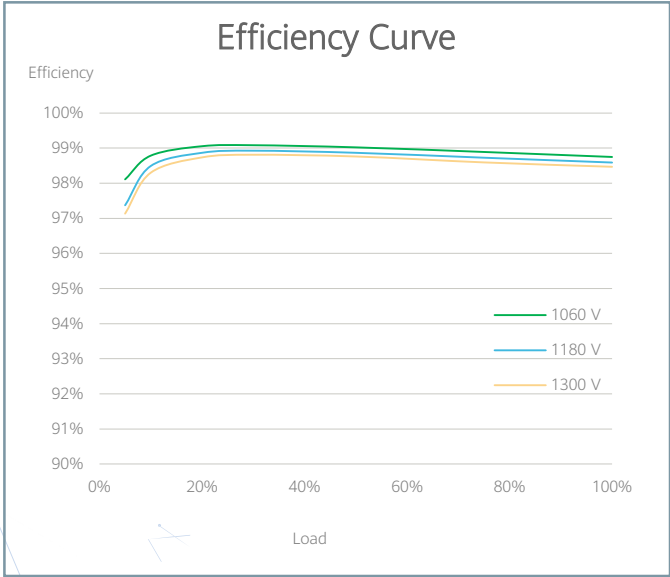
Fuse Free Design



Surge Arresters for
DC & AC



IP66
Protection



SUN2000-200KTL-H4

Technical Specifications – Preliminary Version

Efficiency	
Max. Efficiency	99.08%
European Efficiency	98.85%
DC Input	
Max. Input Voltage	1,500 V
Nominal Input Voltage	1,060 V
Operating Voltage Range	1,050 V ~ 1,500 V
Start Voltage	1,080 V
Max. Input Current	277 A
Max. Short Circuit Current	500 A
AC Output	
Nominal Output Active Power	250,000 W @ 50°C
Max. AC Apparent Power	286,000 VA
Max. Output Active Power ($\cos\phi=1$)	286,000 W
Nominal Output Voltage	720 V, 3W + PE
Rated AC Grid Frequency	50 Hz / 60 Hz
Nominal Output Current	208.5 A
Max. Output Current	230.1 A
Adjustable Power Factor Range	0.8 LG ... 0.8 LD
Max. Total Harmonic Distortion	< 1%
Protection	
Anti-islanding Protection	Yes
AC Overcurrent Protection	Yes
DC Reverse-polarity Protection	Yes
DC Surge Arrester	Type II
AC Surge Arrester	Type II
DC Overvoltage Protection	Yes
AC Overvoltage Protection	Yes
DC Insulation Resistance Detection	Yes
Ground Fault Monitoring	Yes
Residual Current Monitoring Unit	Yes
Communication	
Display	LED Indicators, WLAN + APP
Communication Mode	RS485 / Ethernet
USB	Yes
General	
Dimensions (W x H x D)	925 x 820 x 365 mm (36.4 x 32.3 x 14.4 inch)
Weight (with mounting plate)	< 99 kg (218.3 lb.)
Operating Temperature Range	-25°C ~ 60°C (-13°F ~ 140°F)
Cooling Method	Smart Air Cooling
Max. Operating Altitude	4,000 m (13,123 ft.)
Relative Humidity	0 ~ 100%
DC Connector	OT/DT Terminal
AC Connector	OT/DT Terminal
Protection Degree	IP66
Topology	Transformerless