SUN2000-115KTL-M2

Smart PV Controller







10 MPP Trackers



98.8% (@480V) Max. Efficiency



String-level Management



Smart I-V Curve Diagnosis Supported



MBUS Supported



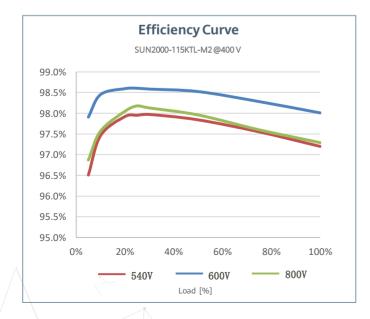
Support Smart String Level Disconnector

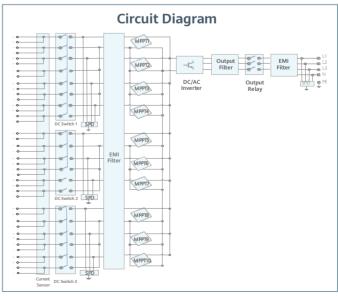


Surge Arresters for DC & AC



IP66 Protection





SUN2000-115KTI-M2 **Technical Specification** Efficiency 98.6% @400 V, 98.8% @480 V Max. efficiency 98.4% @400 V, 98.6% @480 V European efficiency Input 1,100 V Max. Input Voltage 1 30 A Max. Current per MPPT Max. Current per Input 20 A 40 A Max. Short Circuit Current per MPPT 200 V Start Voltage MPPT Operating Voltage Range ² 200 V ~ 1,000 V Nominal Input Voltage 600 V @400 Vac, 720 V @480 Vac Number of MPP trackers 10 Max. input number per MPP tracker 2 Output 115 000 W Nominal AC Active Power Max. AC Apparent Power 125.000 VA Max. AC Active Power (cosφ=1) 125.000 W Nominal Output Voltage 400 V / 480 V. 3W+(N)+PE Rated AC Grid Frequency 50 Hz / 60 Hz Nominal Output Current 166.0 A @400 V, 138.4 A @480 V 182.3 A @400 V, 151.9 A @480 V Max. Output Current Adjustable Power Factor Range 0.8 leading... 0.8 lagging 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 Smart String Level Disconnector Communication Display LED indicators; WLAN adaptor + FusionSolar APP RS485 USB Yes Smart Dongle - 4G / WLAN (Optional) Smart Dongle-4G Yes (isolation transformer required) Monitoring BUS (MBUS) General Data 1,035 x 700 x 365 mm Dimensions (W x H x D) Weight (with mounting plate) ≤ 93 kg Operating Temperature Range -25°C ~ 60°C Cooling Method Smart Air Cooling Max. Operating Altitude 4,000 m (13,123 ft.) Relative Humidity 0 ~ 100% DC Connector Amphenol Helios H4 AC Connector Waterproof Connector + OT/DT Terminal **Protection Degree** Transformerless Topology < 3.5 W Nighttime Power Consumption

Certificate

Grid Connection Standards

Standard Compliance (more available upon request)

EN 62109-1/-2, IEC 62109-1/-2, EN 50530, IEC 62116, IEC 61727, IEC 60068, IEC 61683

VDE-AR-N4105, EN 50549-1, EN 50549-2, RD 661, RD 1699, C10/11

^{*1} The maximum input voltage is the upper limit of the DC voltage. Any higher input DC voltage would probably damage inverter *2 Any DC input voltage beyond the operating voltage range may result in inverter improper operating.