

Annexe 10 – Fiches techniques des onduleurs SUN2000-215KTL-H0

SUN2000-215KTL-H0
Smart String Inverter

SUN2000-215KTL-H0
Technical Specifications



9
MPP Trackers



Max. Efficiency
≥99.0%



Smart String-Level
Disconnecter



Smart I-V Curve
Diagnosis Supported



MBUS
Supported



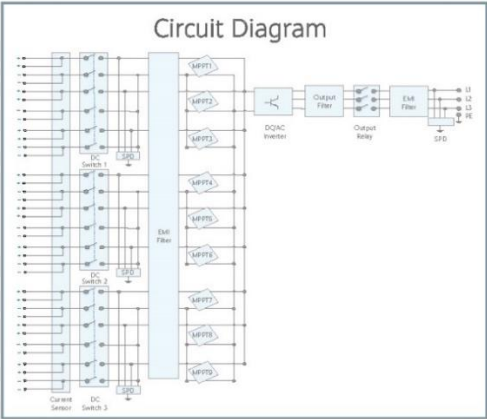
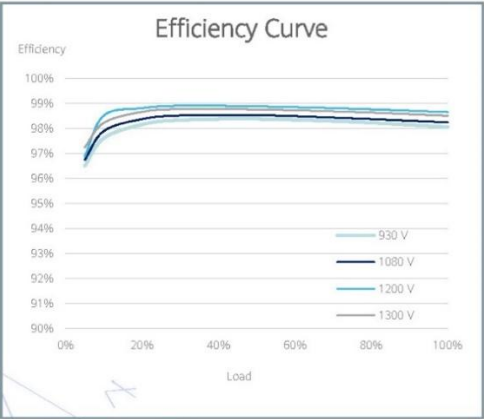
Fuse Free
Design



Surge Arresters for
DC & AC



IP66
Protection



Efficiency		
Max. Efficiency		99.00%
European Efficiency		98.80%
Input		
Max. Input Voltage		1,500 V
Max. Current per MPPT		30 A
Max. Short Circuit Current per MPPT		50 A
Start Voltage		550 V
MPPT Operating Voltage Range		500 V ~ 1,500 V
Nominal Input Voltage		1,080 V
Number of Inputs		18
Number of MPP Trackers		9
Output		
Nominal AC Active Power		200,000 W
Max. AC Apparent Power		215,000 VA
Max. AC Active Power (cosφ=1)		215,000 W
Nominal Output Voltage		800 V, 3W + PE
Rated AC Grid Frequency		50 Hz / 60 Hz
Nominal Output Current		144.4 A
Max. Output Current		155.2 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		LED Indicators, WLAN + APP
USB		Yes
MBUS		Yes
RS485		Yes
General		
Dimensions (W x H x D)		1,035 x 700 x 365 mm (40.7 x 27.6 x 14.4 inch)
Weight (with mounting plate)		≤86 kg (189.6 lb.)
Operating Temperature Range		-25°C ~ 60°C (-13°F ~ 140°F)
Cooling Method		Smart Air Cooling
Max. Operating Altitude without Derating		4,000 m (13,123 ft.)
Relative Humidity		0 ~ 100%
DC Connector		Staubli MC4 EVO2
AC Connector		Waterproof Connector + OT/DT Terminal
Protection Degree		IP66
Topology		Transformerless