

SUN2000-175KTL-H0

Smart String Inverter



Smart I-V Curve
Diagnosis Supported



String-level
Management



98.6%
Max. Efficiency



Surge Arresters
for DC & AC



Fuse Free
Design



Residual Current
Monitoring Integrated

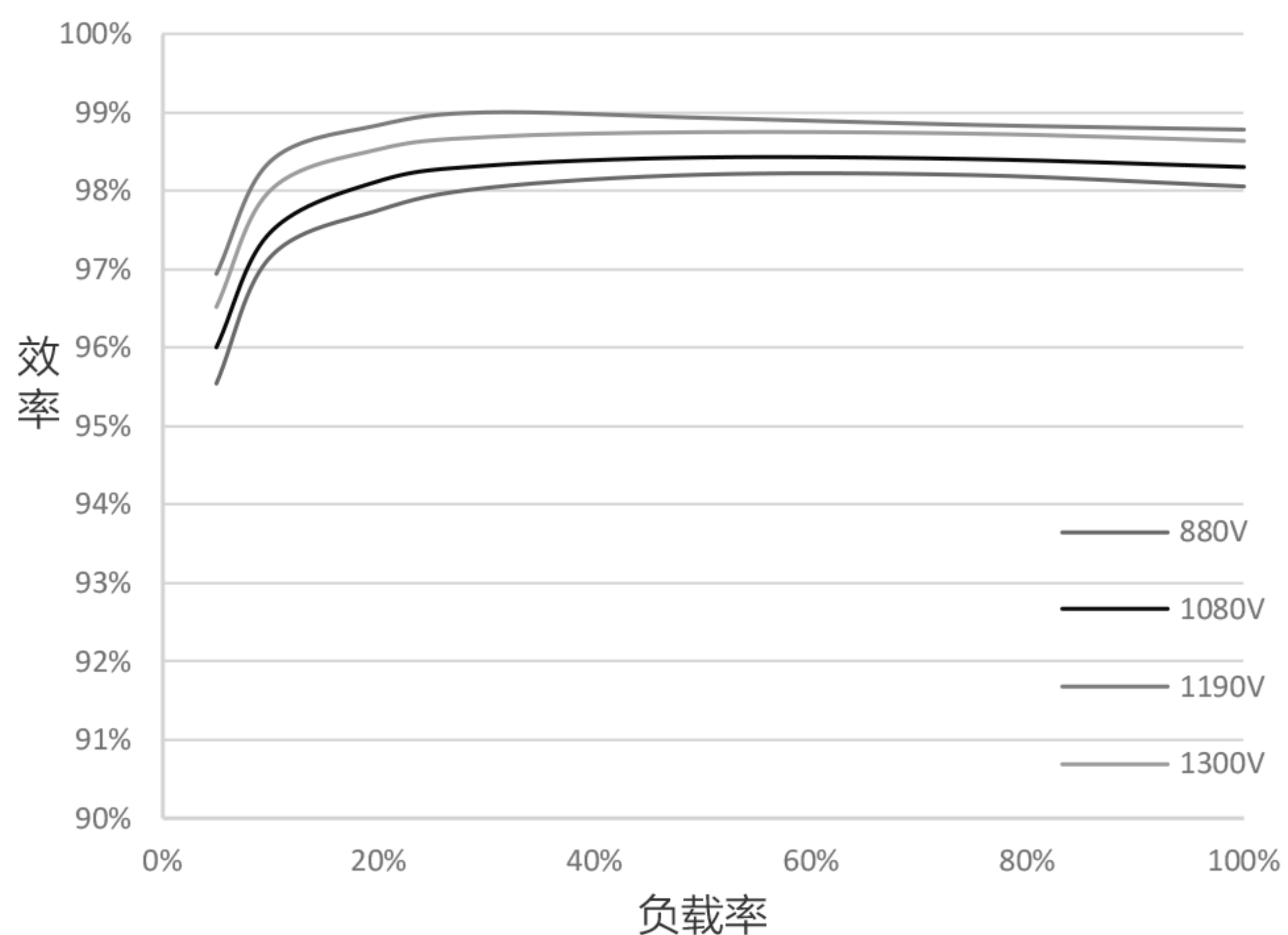


IP65
Protection

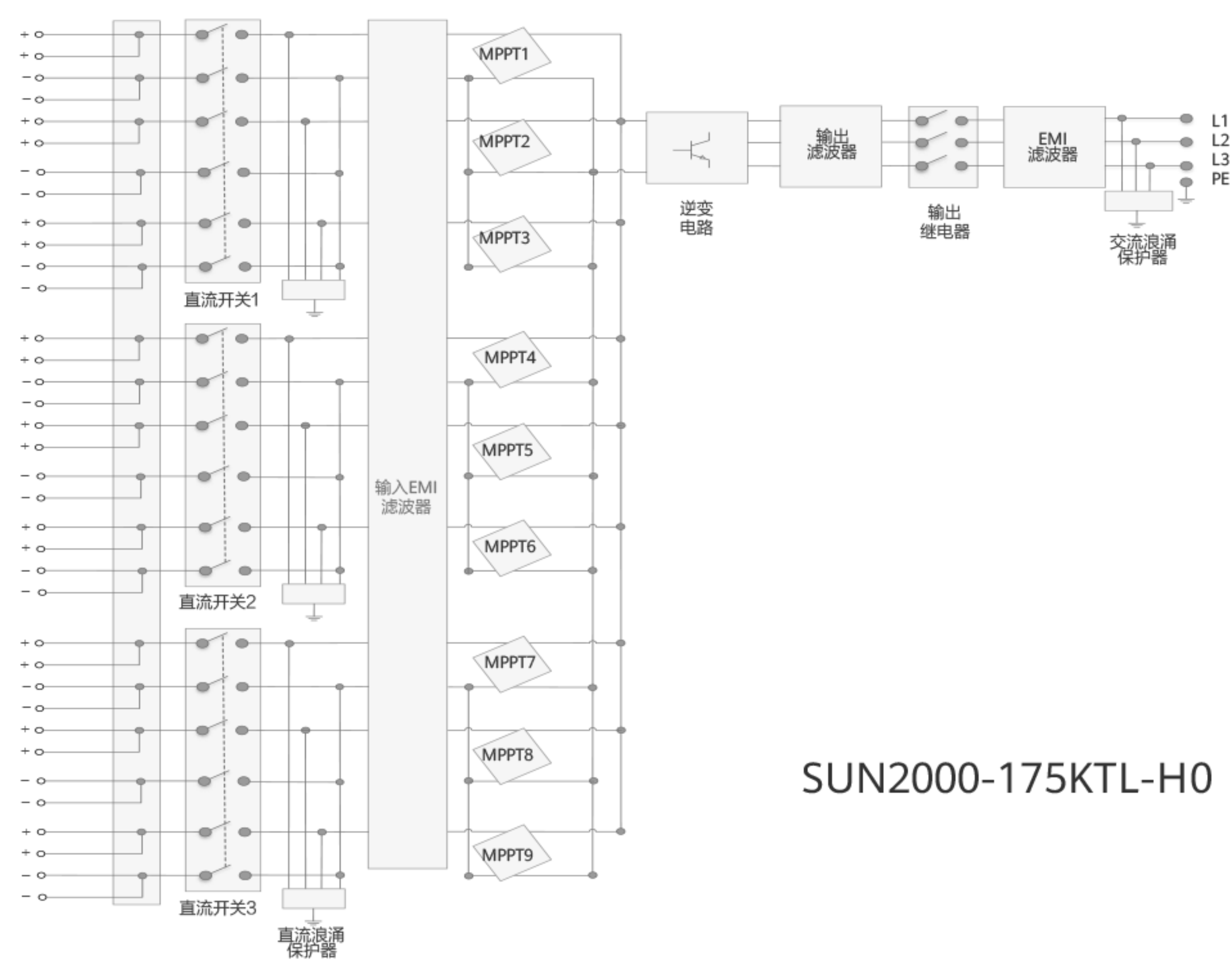


MBUS Supported

Efficiency Curve



Circuit Diagram



SUN2000-175KTL-H0

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Technical Specifications

Efficiency	
Max. Efficiency	99.02%
Chinese Efficiency	98.43%
Input	
Max. Input Voltage	1,500 V
Max. Current per MPPT	26 A
Max. Short Circuit Current per MPPT	40 A
MPPT Operating Voltage Range	500 V ~ 1,500 V
Rated Input Voltage	1,080 V
Number of Inputs	18
Number of MPP Trackers	9
Output	
Rated AC Active Power	175,000 W
Max. AC Apparent Power	193,000 VA
Max. AC Active Power (cosφ=1)	193,000 W
Rated Output Voltage	800 V, 3W + PE
Rated AC Grid Frequency	50 Hz
Rated Output Current	126.3 A
Max. Output Current	140.7 A
Adjustable Power Factor Range	0.8 超前 ... 0.8 滞后
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, Bluetooth + APP
RS485	Yes
USB	Yes
MBUS	Yes
General	
Dimensions (W x H x D)	1,035 x 700 x 365 mm
Weight (with mounting plate)	85 kg
Operating Temperature Range	-25°C ~ 60°C
Cooling Method	Natural Convection
Max. Operating Altitude	5,000 m (> 4,000 m降额)
Relative Humidity	0 ~ 100%
DC Connector	Amphenol HH4
AC Connector	OT端子
Protection Degree	IP65
Topology	Transformerless