



Key Features



Maximum Efficiency
≥ 99.03%



Smart Connector Level Detection (SCLD)



IP66 Class Protection



Current-Voltage Curve Detection System



Dual Safety Protection on the DC Side (SSLD)



Self-Cleaning Smart Fan (SSCF)

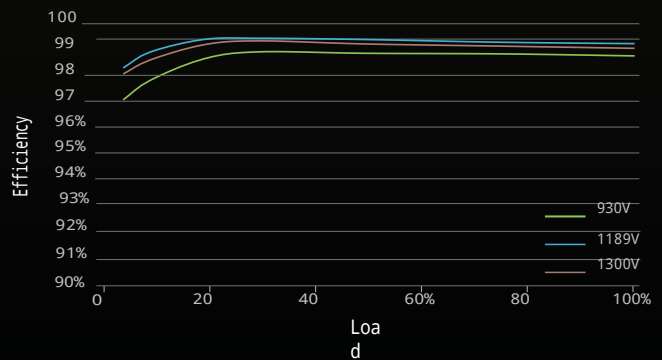


AC-DC Voltage Regulator



MBUS Support

Efficiency Curve



Technical Specifications

EFFICIENCY

Maximum Efficiency	≥ 99.03%
European Efficiency	≥ 98.8%

ENTRANCES

Maximum Input Voltage	1,500 V
Number of MPPT	6
Maximum Current per MPPT	65 A
Maximum Short-Circuit Current per MPPT	115 A
Maximum PV Input Starting Voltage per MPPT	4/5/5/4/5/5
MPPT Operating Voltage Range	500 V ~ 1,500 V
Nominal Input Voltage	1,080 V

OUTPUTS

Nominal AC Active Power	300,000 W
Maximum AC Apparent Power	330,000 VA
Maximum AC Active Power (cosφ=1)	330,000 W
Nominal Output Voltage	800 V, 3W + PE
Nominal AC Grid Frequency	50 Hz / 60 Hz
Nominal Output Current	216.6 A
Maximum Output Current	238.2 A
Adjustable Power Factor Range	0.8 LG0.8 LD
Total Harmonic Distortion	THDi < 1% (Rated)

Protection Features

Smart Wire Level Disconnection (SSLD)	Available
Smart Connector Level Detection (SCLD) AC	Available
Overcurrent Protection	Available
DC Reverse Polarity	Available
Protection PV String Fault	Available
Detection DC Surge	Type 2
Protector	Type 2
AC Surge Protector	Available
DC Insulation Resistance	Available

Detection Leakage Current
Detection Unit

COMMUNICATION FEATURES

Indicator	LED Indicators, WLAN + APP
USB	Available
MBUS	Available
RS485	Available

GENERAL SPECIFICATIONS

Dimensions (W x H x D)	1,048 x 732 x 395 mm
Weight (with mounting profile) Operating	≤ 112 kg
Temperature Range	-25°C ~ 60°C
Cooling Method	Smart Fan Cooling 4,000 m
Maximum Operating Height (Loss-Free) Relative	0 ~ 100% (Non-condensing)
Humidity	Type 2
DC Connector AC Connector	Available
Protection Rating	Available
Corrosion-Resistant Protection	Available
Topology	

Compliance with Standards

Standard	IEC 62109-1/-2, IEC 62920, IEC 60947-2, EN 50549-2, IEC 61683, etc.
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