



String PCS

WP-TERRA3000-213KTL-E1

Product Description

WP-TERRA3000-213KTL-E1 is a high-performance string PCS designed for standalone and co-location storage applications. It delivers efficient power conversion, grid support, and intelligent control. With a robust, modular design and enhanced protection, it ensures reliable operation, seamless integration, and optimized energy flow across diverse grid conditions and demanding environments.

Product Features



Maximum efficiency 99%



Intelligent Active
Breaking Device



Bi-directional Power
Conversion



Grid Forming
Capabilities



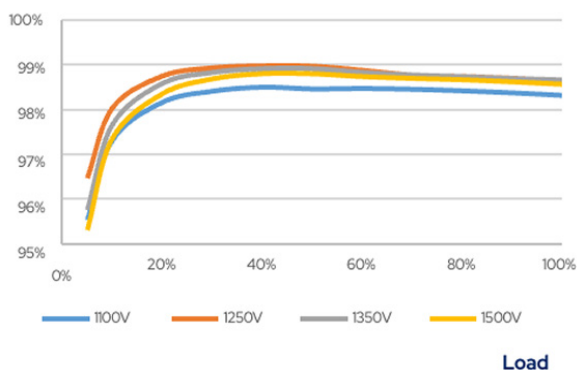
IP66 Protection



Modular Design

Performance Graph

Efficiency



Efficiency Curve

Technical Specification

Efficiency

Max. Efficiency	99.01%
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DC Side

Rated DC Voltage	1,331 V
Max. DC Voltage	1,500 V
Operating DC Voltage Range	800 V ~ 1,500 V

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Technical Specification

Rated Power Operating Voltage Range	1100 V – 1500 V
Max. DC Current	218.5 A
Max. Number of Inputs	1
AC Side	
Rated AC Active Power	213,000 W @40°C; 192,000 W @50°C
Max. Apparent Power	236,400 VA
Rated AC Voltage	800 V
Rated AC Grid Frequency	50 Hz / 60 Hz
Max. AC Current	170.6 A
Adjustable Power Factor Range	-1 ... +1
Max. Total Harmonic Distortion (THD)	≤ 1.5% (Rated)
Protection	
AC Overcurrent Protection	Yes
DC Reverse-polarity Protection	Yes
Insulation Resistance Detection	Yes
Residual Current Protection	Yes
DC Surge Protection	Type II
AC Surge Protection	Type II
Communication	
Display	LED Indicators, USB data cable + APP
USB	Yes
Communication Protocol	Ethernet, CAN
General	
Dimension (W × H × D)	875 × 865 × 365 mm
Weight	≤ 110 kg
Operating Temperature Range	-25°C ~ 60°C
Cooling Method	Air Cooling
Max. Operating Altitude without Derating	4,700 m
Relative Humidity	0 ~ 100% (Non-condensing)
DC Connector	OT / DT Terminal
AC Connector	OT / DT Terminal
Protection Degree	IP66
Anti-corrosion Degree	C5-Medium
Topology	Transformerless
Standards Compliance	
IEC/EN62477-1, IEC62040-6-2, EN50549-2, VDE-AR-N 4110/4120/4130, etc.	