

Beta Series 100K-5G-PRO

THREE PHASE INVERTER 5G



Features

- Perfect Fit For 182/210 mm Modules.
- Support Maximum 16/18 A Per String.
- Adapt To Larger AC Cables.

EFFICIENT

- 6/8 MPPTs, max. efficiency 98.5%.
- > 150% DC/AC ratio.
- Compatible with bifacial modules.

SMART

- Night SVG function.
- Intelligent string monitoring, smart I-V curve scan.
- Remote firmware upgrade with simple operation.

SAFE

- IP66.
- AFCI protection, proactively reduces fire risk.
- Globally recognised branded componentry for longer life.

ECONOMIC

- Power line communication (PLC) (optional).
- DC side supports "Y" connector.
- Supports aluminium wire access to reduce cost.

Technical Specifications

INPUT DC	
Maximum Input Voltage	1100 V
Rated Voltage	600 V
Start-up Voltage	180 V
MPPT Voltage Range	160 - 1000 V
Maximum Input Current	36 A / 32 A / 36 A / 32 A / 36 A / 32 A / 36 A / 32 A
Maximum Short Circuit Current	8*50 A
MPPT Number/Max. Input Strings Number	8 / 16
OUTPUT AC	
Rated Output Power	100 kW
Maximum Apparent Output Power	110 kVA
Maximum Output Power	110 kW
Rated Grid Voltage	3/N/PE, 220 V / 380 V, 230 V / 400 V
Rated Grid Frequency	50 / 60 Hz
Rated Grid Output Current	152.0 A / 144.3 A
Maximum Output Current	167.1 A
Power Factor	> 0.99 (0.8 leading - 0.8 lagging)
THDi	< 3%
EFFICIENCY	
Maximum Efficiency	98.5%
EU Efficiency	98%

Technical Specifications

PROTECTION	
DC Reverse-Polarity Protection	Yes
Short Circuit Protection	Yes
Output Over Current Protection	Yes
Surge Protection	DC Type II / AC Type II
Grid Monitoring	Yes
Anti-Islanding Protection	Yes
Strings Monitoring	Yes
I/V Curve Scanning	Yes
Integrated DC Switch	Yes
Integrated AFCI (DC arc-fault circuit protection)	Yes ⁽¹⁾
GENERAL DATA	
Dimensions (W*H*D)	1183*585*363 mm
Weight	93 kg
Topology	Transformerless
Self Consumption (Night)	< 2 W
Operating Ambient Temperature Range	-30°C ~ +60°C
Relative Humidity	0 - 100%
Ingress Protection	IP66
Cooling Concept	Intelligent redundant fan-cooling
Maximum Operation Altitude	4000 m
Grid Connection Standard	G99, IEC61727
Safety/EMC Standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-4
FEATURES	
DC Connection	MC4 connector
AC Connection	OT terminal (max. 240 mm ²)
Display	LCD
Communication	RS-485, Optional: Wi-Fi, GPRS, PLC

(1) Activation required.

Product specifications are subject to change without further notice.