

Beta Series 125K-EHV

THREE PHASE INVERTER 5G



Features

- Efficient**
 99.1% maximum efficiency.
 > 150% DC/AC ratio.
 Compatible with bifacial modules.
- Smart**
 Strong reactive power compensation.
 Various communication modes for different scenarios.
 Remote firmware upgrade with easy operation.
- Safe**
 Built-in PID recovery for better module performance (optional).
 Equipped with AC/DC switch, safe and convenient maintenance.
 Globally recognised branded componentry for longer life.
- Economic**
 Maximum DC input voltage: 1500V.
 Supports aluminium wire access to reduce cost.

Technical Specifications

INPUT DC	
Maximum Input Voltage	1500V
Rated Voltage	950V
Start-up Voltage	900V
MPPT Voltage Range	860-1450V
Maximum Input Current	150A
Maximum Short Circuit Current	300A
MPPT Number/Max. Input Strings Number	1/20
OUTPUT AC	
Rated Output Power	125kW
Maximum Apparent Output Power	125kVA
Maximum Output Power	125kW
Rated Grid Voltage	3/PE, 600V
Rated Grid Frequency	50/60Hz
Rated Grid Output Current	120.3A
Maximum Output Current	120.3A
Power Factor	> 0.99 (0.8 leading - 0.8 lagging)
THDi	< 3%
EFFICIENCY	
Maximum Efficiency	99.1%
CEC Efficiency	98.6%

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
Temperature Protection	Yes
Strings Monitoring	Yes
I/V Curve Scanning	Yes
DC Switch	Yes
AC Switch	Yes
GENERAL DATA	
Dimensions (W*H*D)	1178*713.5*315 mm
Weight	84kg
Topology	Transformerless
Self Consumption (Night)	< 3W (without anti-PID)
Operating Ambient Temperature Range	-25 ~ +60°C
Relative Humidity	0-100%
Ingress Protection	IP65
Cooling Concept	Intelligent redundant fan-cooling
Maximum Operation Altitude	4000m
Grid Connection Standard	G98 or G99 , EN 50549-1/-2, IEC61727, IEC62116
Safety/EMC Standard	IEC 62109-1/-2, EN 61000-6-2/-4
FEATURES	
DC Connection	MC4 connector
AC Connection	OT terminal (maximum 185 mm ²)
Display	LCD
Communication	RS-485, Optional: Ethernet, Wi-Fi, GPRS

Product specifications are subject to change without further notice.

