

BETA SERIES

Beta 350K-EHV

Three Phase Grid-Tied Inverters



EFFICIENT

- 12/16 MPPTs, max. efficiency 99.0%
- > 150% DC/AC ratio
- Lower starting voltage, longer power generation time
- Wide MPPT current design, compatible with 182 and 210 series bifacial modules

SAFE

- IP66, C5 Anti-Corrosion Level
- Built-in PID recovery for better module performance
- Fuse free design, safe and maintenance free

SMART

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

ECONOMIC

- Power line communication (PLC) (optional)
- Integrated tracking bracket power supply interface

ESPECIFICACIONES TÉCNICAS

MODEL	Beta 350k-EHV
Input DC	
Max. input voltage	1500 V
Rated voltage	1080 V
Start-up voltage	500 V
MPPT voltage range	480-1500 V
Max. input current	16*30 A
Max. short circuit current	16*60 A
MPPT number/Max. input strings number	16/32
Output AC	
Rated output power	350 kW
Max. apparent output power	350 kVA
Rated grid voltage	3/PE, 800 V
Grid voltage range	640-920 V
Rated grid frequency	50 Hz / 60 Hz
Max. output current	252.6 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)
Efficiency	
Max. efficiency	99.0%
EU efficiency	98.7%
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
Night time SVG function	Yes
Integrated PID recovery	Yes
Integrated DC switch	Yes
General Data	
Dimensions (W*H*D)	1175*945.5*446 mm
Weight	143 kg
Topology	Transformerless
Self-consumption (night)	<3 W
Operating ambient temperature range	-30 ~ +60°C
Relative humidity	0-100%
Ingress protection	IP66
Cooling concept	Intelligent redundant fan-cooling
Max. operation altitude	4000 m
Grid connection standard	EN50549, G99, AS4777.2, VDE0126, IEC61727, VDE4110, CEA 2019
Safety/EMC standard	IEC62109-1/-2, EN61000-6-2/-4
Features	
DC connection	MC4-EV02 connector
AC connection	OT terminal (max. 400 mm²)
Display	LED, Bluetooth + APP
Communication	RS485, Optional: PLC