

TÜV SÜD
ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFICAT



Product Service

CERTIFICATE

No. Z2 095465 0001 Rev. 00

Holder of Certificate: Villarreal División Equipos S.A. de C.V.
Morelos # 905 Sur, Col. Centro
C.P. 67350 Allende N.L.
MEXICO

Certification Mark:



Product: Converter
(PV grid-interactive inverter)

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 64290180422403A

Valid until: 2025-01-02

Date, 2020-01-16

(Billy Qiu)



Product Service

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Model(s): **BEYOND1KM2/1, BEYOND2KM2/1, BEYOND2.5KM2/1, BEYOND3KM2/1, BEYOND3.6KM2/1, BEYOND5KM2/2, BEYOND6KM2/2**

Parameters:

Model:	BEYOND 1KM2/1	BEYOND 3KM2/1	BEYOND 2KM2/1	BEYOND 2.5KM2/1	BEYOND 3.6KM2/1
Maximum rated d.c. input voltage	600 Vd.c.	600 Vd.c.	600 Vd.c.	600 Vd.c.	600 Vd.c.
PV input MPPT operating voltage range	70 ~ 580 Vd.c.	70 ~ 580 Vd.c.	70 ~ 580 Vd.c.	70 ~ 580 Vd.c.	70 ~ 580 Vd.c.
Maximum operating PV input current	12,5 Ad.c.	12,5 Ad.c.	12,5 Ad.c.	12,5 Ad.c.	11 Ad.c.
Maximum total PV array s-c current	15 Ad.c.	15 Ad.c.	15 Ad.c.	15 Ad.c.	15 Ad.c.
a.c. output voltage range	230 Va.c.	230 Va.c.	230 Va.c.	230 Va.c.	230 Va.c.
Nominal a.c. output frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Maximum continuous a.c. output current	4,8 Aa.c.	14,3 Aa.c.	9,5 Aa.c.	11,9 Aa.c.	17,2 Aa.c.
Nominal output active power P _n	1 kW	3 kW	2 kW	2.5 kW	3.6 kW
Power factor	0,8 ind. ~ 0,8 cap.	0,8 ind. ~ 0,8 cap.	0,8 ind. ~ 0,8 cap.	0,8 ind. ~ 0,8 cap.	0,8 ind. ~ 0,8 cap.
Temperature range	-25~+60°C	-25~+60°C	-25~+60°C	-25~+60°C	-25~+60°C
Degree of protection	IP 65	IP 65	IP 65	IP 65	IP 65
Protection class	I	I	I	I	I

Model:	BEYOND5KM2/2	BEYOND6KM2/2
Maximum rated d.c. input voltage	600 Vd.c.	600 Vd.c.
PV input MPPT operating voltage range	70 ~ 580 Vd.c.	70 ~ 580 Vd.c.
Maximum operating PV input current	11 × 2 Ad.c.	11 × 2 Ad.c.
Maximum total PV array s-c current	15 × 2 Ad.c.	15 × 2 Ad.c.
a.c. output voltage range	230 Va.c.	230 Va.c.
Nominal a.c. output frequency	50/60 Hz	50/60 Hz
Maximum continuous a.c. output current	23,8 Aa.c.	28,6 Aa.c.
Nominal output active power P _n	5.0 kW	6.0 kW
Power factor	0,8 ind. ~ 0,8 cap.	0,8 ind. ~ 0,8 cap.
Temperature range	-25~+60°C	-25~+60°C
Degree of protection	IP 65	IP 65
Protection class	I	I



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Tested according to:	IEC 62109-1(ed.1)
	EN 62109-1:2010
	IEC 62109-2(ed.1)
	EN 62109-2:2011

Production Facility(ies):	087538
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