



Product Service

CERTIFICATE

No. Z2 101050 0005 Rev. 00

Model(s): **KF-SPH3600-BL, KF-SPH5000-BL,
KF-SPH3600-BL-S, KF-SPH5000-BL-S**

Parameters:

Model	KF-SPH3600-BL	KF-SPH5000-BL	KF-SPH3600-BL-S	KF-SPH5000-BL-S
PV input rating				
Max. input power	4000 W	5500 W	4000 W	5500 W
Rated input voltage	360 Vd.c.	360 Vd.c.	360 Vd.c.	360 Vd.c.
Max. input voltage	600 Vd.c.	600 Vd.c.	600 Vd.c.	600 Vd.c.
MPPT voltage range	125 - 550 Vd.c.	125 - 550 Vd.c.	125 - 550 Vd.c.	125 - 550 Vd.c.
MPPT voltage range (full load)	250 - 450 Vd.c.	250 - 450 Vd.c.	250 - 450 Vd.c.	250 - 450 Vd.c.
Max. input current	2 x 11.0 Ad.c.	2 x 11.0 Ad.c.	2 x 11.0 Ad.c.	2 x 11.0 Ad.c.
PV short circuit current	2 x 13.8 Ad.c.	2 x 13.8 Ad.c.	2 x 13.8 Ad.c.	2 x 13.8 Ad.c.
Battery input/output rating				
Battery type	Lithium / Lead-acid	Lithium / Lead-acid	Lithium / Lead-acid	Lithium / Lead-acid
Rated voltage	48 Vd.c.	48 Vd.c.	48 Vd.c.	48 Vd.c.
Battery voltage range	42 ~ 58 Vd.c.	42 ~ 58 Vd.c.	42 ~ 58 Vd.c.	42 ~ 58 Vd.c.
Max. charging power	2500 W	2500 W	2500 W	2500 W
Max. charging current	50 Ad.c.	50 Ad.c.	50 Ad.c.	50 Ad.c.
Max. discharging power	2500 W	2500 W	2500 W	2500 W
Max. discharging current	60 Ad.c.	60 Ad.c.	60 Ad.c.	60 Ad.c.
Grid input rating				
Rated input voltage	230 Va.c.	230 Va.c.	230 Va.c.	230 Va.c.
Rated grid frequency	50 Hz	50 Hz	50 Hz	50 Hz
Max. input power	2500 W	2500 W	2500 W	2500 W
Rated input current	10.9 Aa.c.	10.9 Aa.c.	10.9 Aa.c.	10.9 Aa.c.
Max. input current	12.5 Aa.c.	12.5 Aa.c.	12.5 Aa.c.	12.5 Aa.c.
Grid output rating				
Rated output apparent power	3600 VA	5000 VA	3600 VA	5000 VA
Rated output voltage	230 Va.c.	230 Va.c.	230 Va.c.	230 Va.c.
Rated output current	15.7 Aa.c.	21.7Aa.c.	15.7 Aa.c.	21.7Aa.c.
Max. output current	16.4 Aa.c.	22.7 Aa.c.	16.4 Aa.c.	22.7 Aa.c.



Product Service

CERTIFICATE

No. Z2 101050 0005 Rev. 00

Rated output frequency	50 Hz	50 Hz	50 Hz	50 Hz
Power factor	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging
Back up output rating				
Rated output apparent power	3500 VA	3500 VA	3500 VA	3500 VA
Rated output active power	2500 W	2500 W	2500 W	2500 W
Rated output voltage	230 Va.c.	230 Va.c.	230 Va.c.	230 Va.c.
Rated output current	10.9 Aa.c.	10.9 Aa.c.	10.9 Aa.c.	10.9 Aa.c.
Max. output current	15.9 Aa.c.	15.9 Aa.c.	15.9 Aa.c.	15.9 Aa.c.
Rated output frequency	50 Hz	50 Hz	50 Hz	50 Hz
General data				
Ingress protection rating	IP65	IP65	IP20	IP20
Ambient temperature range	-25°C~60°C	-25°C~60°C	0°C~45°C	0°C~45°C
Protect class	I	I	I	I

Tested according to:

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

Production Facility(ies):

076733

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