



Product Service

CERTIFICATE

No. B 086470 0032 Rev. 01

Model(s): RHI-3K-48ES, RHI-3.6K-48ES, RHI-4.6K-48ES, RHI-5K-48ES, RHI-6K-48ES, RHI-3K-48ES-5G, RHI-3.6K-48ES-5G, RHI-4.6K-48ES-5G, RHI-5K-48ES-5G, RHI-6K-48ES-5G.

Parameters:

PV inputs:	
Max. input voltage	d.c. 600V
MPP voltage range	d.c. 90-520V
Max. input current	d.c. 2x11A
Isc PV (absolute maximum)	d.c. 2x17.2A
Battery	
Battery type	Li-ion
Battery voltage range	d.c. 42-58V
Max. charge/discharge current	d.c. 62.5A/62.5A(RHI-3K-48ES, RHI-3.6K-48ES, RHI-4.6K-48ES, RHI-5K-48ES, RHI-6K-48ES, RHI-3K-48ES-5G, RHI-3.6K-48ES-5G) 100A/100A(RHI-4.6K-48ES-5G, RHI-5K-48ES-5G, RHI-6K-48ES-5G)
AC-output (grid side)	
Rated output voltage	a.c. 230V
Rated output frequency	50Hz
Rated output power	3000W (RHI-3K-48ES, RHI-3K-48ES-5G), 3600W (RHI-3.6K-48ES, RHI-3.6K-48ES-5G), 4600W (RHI-4.6K-48ES, RHI-4.6K-48ES-5G), 5000W (RHI-5K-48ES, RHI-5K-48ES-5G), 6000W (RHI-6K-48ES, RHI-6K-48ES-5G)
Max. apparent output power	3300VA (RHI-3K-48ES, RHI-3K-48ES-5G), 4000VA (RHI-3.6K-48ES, RHI-3.6K-48ES-5G), 4600VA (RHI-4.6K-48ES, RHI-4.6K-48ES-5G), 5500VA (RHI-5K-48ES, RHI-5K-48ES-5G), 6000VA (RHI-6K-48ES, RHI-6K-48ES-5G)
Max. output current:	a.c. 15.7A (RHI-3K-48ES, RHI-3K-48ES-5G), a.c. 17.3A (RHI-3.6K-48ES, RHI-3.6K-48ES-5G), a.c. 23A (RHI-4.6K-48ES, RHI-4.6K-48ES-5G), a.c. 23.9A (RHI-5K-48ES, RHI-5K-48ES-5G), a.c. 26.1A (RHI-6K-48ES, RHI-6K-48ES-5G)

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Displacement factor:	-0.8...1...+0.8
AC-output (back-up)	
Rated output voltage	a.c. 230V
Rated output frequency	50Hz
Rated output power	3000W (RHI-3K-48ES, RHI-3.6K-48ES, RHI-4.6K-48ES, RHI-5K-48ES, RHI-6K-48ES, RHI-3K-48ES-5G, RHI-3.6K-48ES-5G); 5000W (RHI-4.6K-48ES-5G, RHI-5K-48ES-5G, RHI-6K-48ES-5G)
Rated output current	a.c. 13A (RHI-3K-48ES, RHI-3.6K-48ES, RHI-4.6K-48ES, RHI-5K-48ES, RHI-6K-48ES, RHI-3K-48ES-5G, RHI-3.6K-48ES-5G); a.c. 22A (RHI-4.6K-48ES-5G, RHI-5K-48ES-5G, RHI-6K-48ES-5G)
AC-input	
Rated output voltage	a.c. 230V
Rated output frequency	50Hz
Max output current	a.c. 23.9 (RHI-3K-48ES, RHI-3.6K-48ES, RHI-4.6K-48ES, RHI-5K-48ES, RHI-6K-48ES); a.c. 26.1A (RHI-3K-48ES-5G, RHI-3.6K-48ES-5G, RHI-4.6K-48ES-5G, RHI-5K-48ES-5G, RHI-6K-48ES-5G)
Protection class:	I
Degree of protection:	IP65
Overvoltage category:	II (PV), III (MAINS)
Ambient temperature:	-25°C...+60°C

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

Production Facility(ies): 086470

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