



Product Service

Compliance Document

No. D 085769 0055 Rev. 00

Model(s):

X1-Hybrid-5.0-D-E, X1-Hybrid-5.0-N-E, X1-Hybrid-4.6-D-E,
 X1-Hybrid-4.6-N-E, X1-Hybrid-3.7-D-E, X1-Hybrid-3.7-N-E,
 X1-Hybrid-3.0-D-E, X1-Hybrid-3.0-N-E, X1-Hybrid-5.0-D-C,
 X1-Hybrid-5.0-N-C, X1-Hybrid-4.6-D-C, X1-Hybrid-4.6-N-C,
 X1-Hybrid-3.7-D-C, X1-Hybrid-3.7-N-C, X1-Hybrid-3.0-D-C,
 X1-Hybrid-5.0-D-I, X1-Hybrid-5.0-N-I, X1-Hybrid-4.6-D-I,
 X1-Hybrid-4.6-N-I, X1-Hybrid-3.7-D-I, X1-Hybrid-3.7-N-I,
 X1-Hybrid-3.0-D-I, X1-Hybrid-3.0-N-I, X1-Hybrid-3.0-N-C,
 X1-Fit-3.7C, X1-Fit-3.7E, X1-Fit-3.7I, X1-Fit-4.6C, X1-Fit-4.6E,
 X1-Fit-4.6I, X1-Fit-5.0C, X1-Fit-5.0E, X1-Fit-5.0I

Parameters:

Models	X1-Hybrid-5.0-D-E X1-Hybrid-5.0-N-E	X1-Hybrid-4.6-D-E X1-Hybrid-4.6-N-E	X1-Hybrid-3.7-D-E X1-Hybrid-3.7-N-E	X1-Hybrid-3.0-D-E X1-Hybrid-3.0-N-E
PV input ratings:				
Max. DC voltage:	600 V DC			
MPP voltage range:	125 – 550V DC			
Max. DC current (input A/input B):	10A/10A			
Isc PV (input A/input B):	14A/14A			
Max. DC power (@cos φ=1):	6000W	6000W	5000W	4000W
AC output				
Nominal AC voltage:	230V~			
Nominal AC frequency:	50/60Hz			
Max. Continuous AC current:	21.7A	21A	16A	14.4A
Nominal AC Apparent Power (@cos φ=1):	4999VA	4600VA	3680VA	3000VA
Power factor at rated power:	1			
Power factor range:	0.8 leading – 0.8 lagging			
AC input				
Nominal AC voltage:	230V~			
Nominal AC frequency:	50/60Hz			
Max. Continuous AC current:	21.7A	21A	16A	14.4A
Battery				
Battery type:	Lithium			
Battery Operation Voltage	85 – 400VDC			
Max. Charge and discharge current:	20A			
Max. Charge and discharge power:	6000W			
EPS output:				
Nominal voltage:	230V~			
Nominal frequency:	50/60Hz			
Nominal apparent power:	5000VA	5000VA	4000VA	4000VA
EPS Rated current:	21.7A	21.7A	17.4A	17.4A

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	X1-Hybrid-5.0-D-I, X1-Hybrid-5.0-N-I	X1-Hybrid-4.6-D-I, X1-Hybrid-4.6-N-I	X1-Hybrid-3.7-D-I, X1-Hybrid-3.7-N-I	X1-Hybrid-3.0-D-I, X1-Hybrid-3.0-N-I
PV input ratings:				
Max. DC voltage	600 V DC			
MPP voltage range:	125 – 550V DC			
Max. DC current (input A/input B):	10A/10A			
Isc PV (input A/input B):	14A/14A			
Max. DC power (@cos φ=1):	6000W	6000W	5000W	4000W
AC output				
Nominal AC voltage	230V~			
Nominal AC frequency:	50/60Hz			
Max. Continuous AC current:	21.7A	21A	16A	14.4A
Nominal AC Apparent Power (@cos φ=1):	4999VA	4600VA	3680VA	3000VA
Power factor at rated power:	1			
Power factor range:	0.8 leading – 0.8 lagging			
AC input				
Nominal AC voltage:	230V~			
Nominal AC frequency:	50/60Hz			
Max. Continuous AC current:	47.7A	47A	37.7A	36.1A
Battery				
Battery type:	Lithium			
Battery Operation Voltage	85 – 400VDC			
Max. Charge and discharge current:	20A			
Max. Charge and discharge power:	6000W			
EPS output:				
Nominal voltage:	230V~			
Nominal frequency:	50/60Hz			
Nominal apparent power:	5000VA	5000VA	4000VA	4000VA
EPS Rated current:	21.7A	21.7A	17.4A	17.4A

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General:

Operating ambient temperature range:	-20°C ... +60°C
Ingress protection:	IP 65
Overvoltage category	III (MAINS), II(DC)
Protection class	I

Tested according to:

NRS 097-2-1:2017

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