



Product Service

# CERTIFICATE

No. Z2 127148 0086 Rev. 02

**Holder of Certificate:** **Anker Innovations Limited**

Unit 56, 8th Floor, Tower 2  
Admiralty Centre, 18 Harcourt Road  
Central and Western District  
HONG KONG

**Certification Mark:**



**Product:** **Converter  
(Hybrid 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. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290243005904

**Valid until:** 2030-09-03

**Date,** 2025-09-04

( Billy Qiu )

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**Model(s):** X1-H5K-T, X1-H8K-T, X1-H10K-T, X1-H12K-T,  
X1-H10K-T BE

## Parameters:

Model:	X1-H5K-T	X1-H8K-T	X1-H10K-T	X1-H12K-T	X1-H10K-T BE
PV terminal parameters					
Maximum input power [kW]	10	16	20	24	20
Maximum input voltage [V d.c.]	1000				
Rated input voltage [V d.c.]	600				
MPPT voltage range [V d.c.]	140-950				
MPPT voltage range (full load) [V d.c.]	375-850				
Maximum input current [A d.c.]	16/16				
Isc PV [A d.c.]	20/20				
Battery input/output parameters					
Battery type	Li-ion				
Rated voltage [V d.c.]	400				
Battery voltage range [V d.c.]	350-450				
Rated charging and discharging power [kW]	5	8	10	12	10
Maximum charging power [kW]	5.25	8.4	10.5	12.6	10.5
Maximum continuous charging current [A d.c.]	15	24	30	36	30
Maximum discharging power [kW]	5.25	8.4	10.5	12.6	10.5
Maximum continuous discharging current [A d.c.]	15	24	30	36	30
Grid terminal input parameters					
Rated input voltage [V a.c.]	220/380, 230/400, 3L+N+PE				
Rated input frequency [Hz]	50/60				
Maximum continuous input active power [kW]	10	16	20	20	20
Maximum continuous input apparent power [kVA]	10	16	20	20	20
Rated input current [A a.c.]	7.2	11.6	14.5	17.4	14.5
Maximum continuous input current [A a.c.]	15.2	24.3	30.3	30.3	30.3
Grid terminal output parameters					
Rated output voltage [V a.c.]	220/380, 230/400, 3L+N+PE				
Rated output frequency [Hz]	50/60				

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Rated output current [A a.c.]	7.2	11.6	14.5	17.4	14.5
Maximum continuous output current [A a.c.]	8.4	13.3	16.7	20	16.7
Rated output active power [kW]	5	8	10	12	10
Rated output apparent power [kVA]	5	8	10	12	10
Maximum continuous output active power [kW]	5	8	10	12	10
Maximum continuous output apparent power [kVA]	5.5	8.8	11	13.2	10
Power factor	0.8 ind - 0.8 cap				
Backup terminal parameters					
Rated output voltage [V a.c.]	220/380, 230/400, 3L+N+PE				
Rated output frequency [Hz]	50/60				
Rated output current [A a.c.]	7.2	11.6	14.5	17.4	14.5
Maximum continuous output current [A a.c.]	7.2	11.6	14.5	17.4	14.5
Rated output active power [kW]	5	8	10	12	10
Rated output apparent power [kVA]	5	8	10	12	10
Maximum continuous output active power [kW]	5.25	8.4	10.5	12.6	10.5
Maximum continuous output apparent power [kVA]	5.25	8.4	10.5	12.6	10.5
Power factor	0.8 ind - 0.8 cap				
General					
Operating temperature range [°C]	-25~60				
Protective class	I				
Ingress protection	IP66				

**Tested  
according to:**

IEC 62109-1:2010  
EN 62109-1:2010  
IEC 62109-2:2011  
EN 62109-2:2011