

Certificate of Conformity (COC)



Certificate Holder : TommaTech GmbH
Zeppelinstr. 14 - 85748 Garching b.München, Germany

Date of Original Issue : 2025-09-05

Date of Last Revision : --

Date of Expiry : 2028-09-04

Certificate Number : PCS-25-1172

Product : Bidirectional converter

Ratings : See appendix on page 2 and page 3

Brand/Trademark :



Model(s) : See appendix on page 2 and page 3

Test Laboratory : SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Testing Report : GZES250701408501, GZES250701408502, GZES250701408503 and GZES250701408504

Test Standard : IEC 61727:2004, IEC 62116:2014, IEC 61683:1999, IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-14:2009 and IEC 60068-2-30:2005



This is to certify that the product has been tested and was found to comply with the requirements of the standard(s).
The above-mentioned product is certified according to the requirements of ISO/IEC 17065:2012.

Christopher Hee
Certification Officer



SGS Testing & Control Services Singapore Pte Ltd
30 Boon Lay Way #03-01 Singapore 609957



SGS



Product Model	UNO-HYB-LV-N3K-40	UNO-HYB-LV-N3.6K-40	UNO-HYB-LV-N5K-40	UNO-HYB-LV-N6K-40
PV Input (DC)				
Max. DC Input Power (W)	4800	5760	8000	9600
Max. DC Voltage (V)	500			
Start-up Input Voltage (V)	125			
Rated Input Voltage (V)	370			
MPPT Voltage Range (V)	150 ~ 425			
Full Load DC Voltage Range (V)	300 ~ 425			
Max. Input Current per MPPT (A)	18	18 +18	18 +18	18 +18
Max. Short Current (A)	27	27+27	27+27	27+27
Battery Input (DC)				
Battery Type	Lead-acid or Li-Ion			
Battery Voltage Range(V)	40-60			
Max. Charging Current(A)	70	90	120	135
Max. Discharging Current(A)	70	90	120	135
Output (AC)				
Max AC Output Power (W)	3300	3960	5500	6600
Rated AC Output and UPS Power (W)	3000	3600	5000	6000
Max AC Output Current (A)	14.3	17.2	23.9	28.7
Rated AC Output Current (A)	13.0	15.7	21.7	26.1
Nominal Grid Voltage (V)	L/N/PE, 230			
Nominal Frequency (Hz)	50			
Power Factor	> 0.99 (adjustable +/-0.8)			
Topology	Transformerless			
Operating Temperature Range	-40 ~ +60 °C (derating at +45 °C)			
Degree of Protection	IP65			



Product Model	UNO-HYB-LV-N3K-4	UNO-HYB-LV-N3.6K-4	UNO-HYB-LV-N5K-4	UNO-HYB-LV-N6K-4
PV Input (DC)				
Max. DC Input Power (W)	4800	5760	8000	9600
Max. DC Voltage (V)	500			
Start-up Input Voltage (V)	125			
Rated Input Voltage (V)	370			
MPPT Voltage Range (V)	150 ~ 425			
Full Load DC Voltage Range (V)	300 ~ 425			
Max. Input Current per MPPT (A)	18	18 +18	18 +18	18 +18
Max. Short Current (A)	27	27+27	27+27	27+27
Battery Input (DC)				
Battery Type	Lead-acid or Li-Ion			
Battery Voltage Range(V)	40-60			
Max. Charging Current(A)	70	90	120	135
Max. Discharging Current(A)	70	90	120	135
Output (AC)				
Max AC Output Power (W)	3300	3960	5500	6600
Rated AC Output and UPS Power (W)	3000	3600	5000	6000
Max AC Output Current (A)	14.4	17.3	24.0	28.7
Rated AC Output Current (A)	13.1	15.7	21.8	26.1
Nominal Grid Voltage (V)	L/N/PE, 230			
Nominal Frequency (Hz)	50			
Power Factor	> 0.99 (adjustable +/-0.8)			
Topology	Transformerless			
Operating Temperature Range	-40 ~ +60 °C (derating at +45 °C)			
Degree of Protection	IP65			

