

# Certificate of Conformity (COC)



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

Date of Original Issue : 2026-02-12

Date of Last Revision : --

Date of Expiry : 2029-02-11

Certificate Number : PCS-26-1024

Product : Hybrid Inverter

Ratings : See appendix on page 2

Brand/Trademark :   
GERMAN-based company

Model : UNO-HYB-LV-N12K-1P, UNO-HYB-LV-N14K-1P, UNO-HYB-LV-N16K-1P,  
UNO-HYB-LV-N18K-1P

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

Testing Report : GZGC260100004401, GZGC260100004402, GZGC260100004403 and GZGC260100004404

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

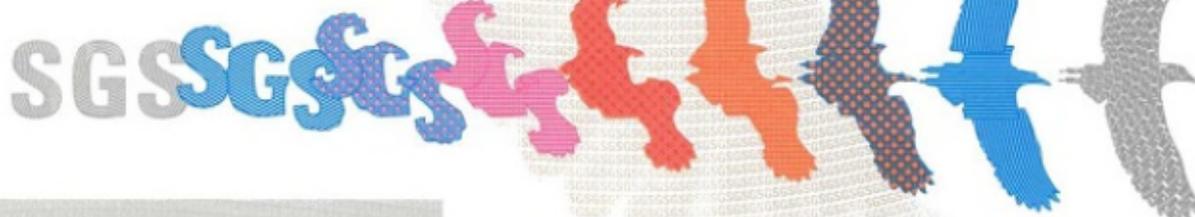


This is to certify that the product has been tested and was found to comply with the requirements of the standard(s).  
The above-mentioned product is certified according to the requirements of ISO/IEC 17065:2012.

Christopher Hee  
Certification Officer



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



The use of this Certificate is subjected to the General Conditions for Certification Services accessible at <https://www.sgs.com/en/terms-and-conditions> and Certification Agreement for SGS Product Certification Scheme (PCS). Any unauthorised alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. This Certificate is part of a full report and should be read in conjunction with it. This Certificate cannot be reproduced except in full, without prior approval of the Company. This Certificate remains the property of SGS Testing & Control Services Singapore Pte Ltd and shall be returned upon request.

Product Model	UNO-HYB-LV-N12K-1P	UNO-HYB-LV-N14K-1P	UNO-HYB-LV-N16K-1P	UNO-HYB-LV-N18K-1P
<b>Input (PV)</b>				
Max. PV Input Power (W)	19200	22400	25600	28800
Max. PV Input Voltage (V)	500			
Start-up Voltage (V)	125			
Rated Input Voltage (V)	370			
MPPT Voltage Range (V)	150 ~ 425			
Full Load MPPT Voltage Range (V)	250 ~ 425			
Max. Operating PV Input Current (A)	36+36+36	36+36+36	36+36+36	36+36+36
Max. Input Short-Circuit Current (A)	54+54+54	54+54+54	54+54+54	54+54+54
No. of MPP Trackers/No. of Strings MPP Tracker	3/2+2+2			
<b>Battery Input</b>				
Battery Type	Lead-acid or Lithium-ion			
Battery Voltage Range (V)	40-60			
Max. Charging Current (A)	220	250	290	380
Max. Discharging Current (A)	220	250	290	380
<b>Output (AC)</b>				
Rated AC Output Active Power (W)	12000	14000	16000	18000
Max. AC Output Apparent Power (W)	13200	15400	17600	19800
Rated AC Output Current (A)	52.2	60.9	69.6	78.3
Max. AC Output Current (A)	57.4	67.0	76.6	86.1
Nominal Grid Voltage (V)	L/N/PE, 230			
Nominal Frequency (Hz)	50/60			
Power Factor	0.8 leading - 0.8 lagging			
<b>General Data</b>				
Topology	Non-Isolated			
Operating Temperature Range	-40 ~ +60 °C, > +45 °C derating			
Degree of Protection	IP65			
Type of Cooling	Intelligent Air Cooling			

