



**BUREAU
VERITAS**

Certificate of compliance

Applicant: AISWEI New Energy Technology(Jiangsu) Co., Ltd
Building 9, No.198 Xiangyang Road,
215011 Suzhou,
P.R. China

Product: Photovoltaic (PV) inverter

Model: ASW5000-S
ASW4000-S
ASW3680-S
ASW3000-S

Use in accordance with regulations:

The inverters are tested according to the IEC 61683:1999, EN 61683:2000, DIN EN 61683:2000 procedure for measuring efficiency.

Applied rules and standards:

IEC 61683:1999, EN 61683:2000, DIN EN 61683:2000

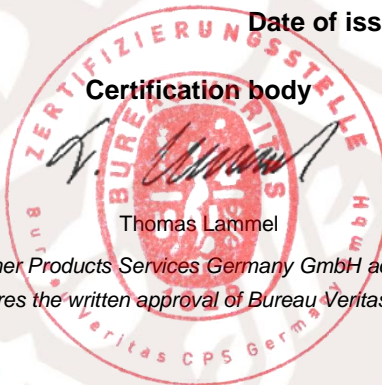
Photovoltaic systems – Power conditioners – Procedure for measuring efficiency

At the time of issue of this certificate the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Report number: PV2105WDG0102-2
Certificate number: U21-0607

Certification program: NSOP-0032-DEU-ZE-V01
Date of issue: 2021-07-23

Certification body



Thomas Lammel



*Certification body of Bureau Veritas Consumer Products Services Germany GmbH accredited according to DIN EN ISO/IEC 17065
A partial representation of the certificate requires the written approval of Bureau Veritas Consumer Products Services Germany GmbH*

Measuring of efficiency

Extract from test report according the IEC 61683

Nr. PV2105WDG0102-2

Efficiency measurement conditions test results						
ASW3000-S						
Input voltage [Vdc]		Power in [W] (nom. 3000)				
		10%	25%	50%	75%	100%
		288	741	1486	2221	2946
		η in [%]				
V _{min}	140Vdc	91,72	94,52	95,07	95,12	95,00
V _{nominal}	360Vdc	95,18	96,44	97,17	97,03	97,00
V _{max} (90% MPPT)	375Vdc	94,55	96,95	97,58	97,58	97,58
V _{max} (MPPT)	464Vdc	93,89	96,56	97,24	97,37	97,36
V _{max} (90%)	522Vdc	92,93	96,30	97,01	97,20	97,25
ASW3680-S						
Input voltage [Vdc]		Power in [W] (nom. 3680)				
		10%	25%	50%	75%	100%
		359	918	1839	2747	3648
		η in [%]				
V _{min}	165Vdc	92,76	95,03	95,53	95,42	95,27
V _{nominal}	360Vdc	95,56	96,59	97,05	97,03	96,99
V _{max} (90% MPPT)	375Vdc	95,21	97,15	97,57	97,57	97,51
V _{max} (MPPT)	464Vdc	94,55	96,80	97,32	97,38	97,31
V _{max} (90%)	522Vdc	93,82	96,50	97,19	97,24	97,20
ASW4000-S						
Input voltage [Vdc]		Power in [W] (nom. 4000)				
		10%	25%	50%	75%	100%
		391	997	1997	2980	3958
		η in [%]				
V _{min}	180Vdc	93,32	95,32	95,73	95,61	95,47
V _{nominal}	360Vdc	95,22	96,82	97,14	97,00	96,91
V _{max} (90% MPPT)	375Vdc	95,63	97,20	97,58	97,58	97,48
V _{max} (MPPT)	464Vdc	95,20	96,91	97,33	97,36	97,27
V _{max} (90%)	522Vdc	94,33	96,67	97,16	97,22	97,20

Measuring of efficiency

Extract from test report according the IEC 61683

Nr. PV2105WDG0102-2

ASW5000-S						
Input voltage [Vdc]		Power in [W] (nom. 5000)				
		10%	25%	50%	75%	100%
		489	1244	2484	3705	4909
		η in [%]				
V_{min}	220Vdc	94,40	95,99	96,13	95,96	95,71
$V_{nominal}$	360Vdc	96,13	97,00	97,11	96,96	96,78
V_{max} (90% MPPT)	375Vdc	96,28	97,43	97,66	97,53	97,36
V_{max} (MPPT)	464Vdc	95,54	97,07	97,38	97,27	97,10
V_{max} (90%)	522Vdc	95,35	96,91	97,22	97,16	97,02