

23 April 2023

Shenzhen Ates Power Technology Co., Ltd
2nd Floor, No.23 Zhulongtian Road, Shuitian Community, Shiyan Street,
Baoan District, Shenzhen, 518100
CHINA

Attention: Wang Harvey, TÜV NORD (Hangzhou) Co. Ltd.,

CERTIFICATION OF ELECTRICAL EQUIPMENT

It is our pleasure to issue you with the enclosed Certificate of Suitability EESS-230311-0.

Please check and ensure the details are correct in accordance with your application.

EESS Conformity Certification will upload the required certificate information to the National Database as detailed in the Australian / New Zealand Electrical Equipment Safety System (EESS), Equipment Safety Rules Appendix C.

We remind you that the Regulatory Compliance Mark (RCM) must be used in accordance with its conditions of use as set out in the latest edition of [AS/NZS 4417.1](#).

The assessment was reviewed with the standards and conditions required by Clean Energy Council at the time of issue with test reports referenced, <https://www.cleanenergycouncil.org.au/industry/products>

This certification is based on type testing, modification to the certified product in any way must be notified to EESS Conformity Certification for endorsement. Details of the modification must be advised by completing and submitting the application via our Online Application System (OAS) with your login credentials.

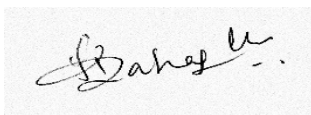
Any change to the name or address of the certificate holder must be notified to EESS Conformity Certification within one calendar month. Changes may be advised by completing and submitting the application via our Online Application System (OAS) with your login credentials.

An application for the transfer of Certificate from the existing Certificate Holder to another/new Certificate Holder may be made to EESS Conformity Certification by completing and submitting the application via our Online Application System (OAS) with your login credentials.

Finally, please use the QR code below to take our two-minute survey and comment on our service.

Should you have any further queries, please contact us.

Yours sincerely,



For and on behalf of
Conformity Certification Services Pty Ltd
trading as EESS Conformity Certification



We'd love to know what you thought of our service. Please scan to fill in a brief survey or visit www.eessconformity.com



Certificate No.: EESS-230311-0

CERTIFICATE OF SUITABILITY

Certificate Holder: Shenzhen Ates Power Technology Co., Ltd
2nd Floor, No.23 Zhulongtian Road, Shuitian Community, Shiyan Street,
Baoan District, Shenzhen, 518100
CHINA

Regulatory Definition: Non-Declared/ In-Scope
Product Type: Bi-birectional Battery Inverter
Risk Level: 1
Trade Name(s): ATESS
Model No(s): PCS100, PCS250, PCS500, PCS630
Ratings: 400V 50/60Hz 3Ph PE 100/250/500/630kW Class I IP20 Ambient Max 55°C
Software Version PCS50_630_HV3_SV1.1.24_APP
Firmware version SSCP_HW_V1.1.1
See Certificate Addendum for further details

Standard(s): IEC 62109-1:2010 - (Reference Test Report BL-DG2260879-B01)
IEC 62109-2:2011 - (Reference Test Report BL-DG2260879-B01 A1)
AS IEC 62477-1:2016 - (Reference Test Report BL-DG2260880-B01)
AS/NZS 4777.2:2020 - (Reference Test Report BL-DG2250500-B01)

Conditions: To be installed by a Licensed Electrician for indoor use in Australia & New Zealand in accordance with the local wiring rules and the Installation Manual. This Certification does not consider, other installation requirements or the additional Clean Energy Council requirements for Grid Connect inverters or power conversion equipment (PCE).

Required marking: The Regulatory Compliance Mark (RCM) in accordance with its conditions of use as set out in the latest edition of AS/NZS 4417.1.

Date of Issue: 23 April 2023
Valid until: 22 April 2028

Conformity Certification Services Pty Ltd as accredited by JAS-ANZ under ISO/IEC 17065 certifies that the Electrical Equipment as described on this certificate complies with the minimum essential safety requirements for which the application has been made. This certificate meets the requirements of the Queensland Government Recognised External Certification Scheme (RECS). Certification is based on type testing and within our terms and conditions.

For and on behalf of
Conformity Certification Services Pty Ltd
trading as EESS Conformity Certification

Suite 3, 695 The Horsley Drive, Smithfield, NSW 2164, AUSTRALIA
www.eessconformity.com



www.jas-anz.org/register



Certificate No.: EESS-230311-0

CERTIFICATE ADDENDUM

Model or Type designation	PCS100	PCS250	PCS500	PCS630
DC input/output Parameters (Battery):				
MAX DC [Vdc]	900			
Voltage Range [Vdc]	500 - 820		600 - 900	
Full Power Voltage Range [Vdc]	500 - 820		600 - 900	
Max. Current [Adc]	220	550	917	1155
Overvoltage Category (OVC)	II			
Battery Type	lithium iron phosphate			
AC input/output (Grid Side) parameters:				
Rated Output Voltage [Vac]	400 (3Ph/PE)		400 (3Ph/PE)	
Rated Output Frequency [Hz]	50/60Hz			
Rated Output Power [kW]	100	250	500	630
Max. Output Power [kVA]	110	275	550	693
Rated Output Current [Aac]	144	361	722	909
Power Factor cosφ [λ]	-0.8-0.8 leading or lagging			
Overvoltage Category (OVC)	III			
AC output (Off Grid) parameters:				
Rated Output Voltage [Vac]	400 (3Ph/PE)			
Rated Output Frequency [Hz]	50/60Hz			
Rated Output Power [kW]	100	250	500	630
Max. Output Power [kVA]	110	275	550	693
Rated Output Current [Aac]	144	361	722	909
System				
Type of inverter	Isolated	Isolated	Isolated	Isolated
Transformer	Build-in		External	
Protective Class	Class I			
Enclosure Protection (IP)	IP20			
Operating Temperature Range [°C]	-25 - +55			
Pollution degree (PD)	PD 2			
Weight [kg]	820	1465	900	900
Size (W x H x D) [mm]	1100*1890* 850	1600*2080* 850	1200*1900* 800	1200*1900* 800

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