



A P P R O V A L S ®

## Certificate of Suitability

**Certificate No.:** SAA201309

**Certificate Holder:** Shenzhen Ates Power Technology Co., Ltd  
1st Floor of Building 3 at Sector B and 3rd Floor of Building 9,  
Henglong Industrial Park, No.4 Industrial Zone,  
Shuitian Community, Shiyan Street, Baoan District,  
Shenzhen  
P.R. China

**Regulatory Definition:** Non-Declared  
**Product Description:** Hybrid Power System  
**Trade Name/s:** ATESS  
**Model No.:** HPS50  
**Rating/Marking/s:** See Page 2

**Standard/s:** IEC 62109-1 Ed. 1.0  
IEC 62109-2 Ed. 1.0  
AS/NZS 4777.2:2020 Inc A1

**Condition/s:** Nil

**Approval Marks:** SAA201309

**Initial Issue Date:** 21 September 2020

**Expiry Date:** 21 September 2025

*R. A. Hill*

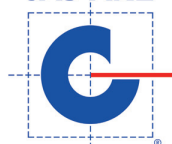
For and on Behalf of  
SAA Approvals Pty Ltd

This certificate is issued by SAA Approvals Pty Ltd in accordance with the SAA Approvals Electrical Product Safety Certification Scheme accredited by JAS-ANZ under AS/NZS ISO/IEC 17065. SAA certifies the product nominated in this certificate complies with standard/s listed above in accordance with the scheme herein.

For SAA Contact Details and to verify this Certificate go to:

[www.saaapprovals.com.au](http://www.saaapprovals.com.au)

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Additional Models	Trade Name	Rating/Marking
HPS50	ATESS	PV Input: Vmax PV: 1000Vdc Max MPPT voltage: 480-800Vdc Current: 136A Isc PV: 170.5A Energy Storage: Voltage range: 352-600Vdc Max charge: 150A Max Discharge: 156A AC Input: 400Vac 50/60Hz 72A 0.8 to 0.8p.f. AC Output: 400Vac 50/60Hz 50kW 0.8 to 0.8p.f. Rated Apparent Power: 50kVA Rated Output Current: 72A Protective Class: I Over Voltage Category: PV: II, AC: III Topology: Isolated Ingress Protection: IP20 Operating Temperature Range: -25 to +55°C Hardware version: SSCP_HW_V1.1.1 Software version: HPS30K_150K_HV3_SV4.1.14_APP50549

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## Certificate of Suitability

Additional Models	Trade Name	Rating/Marking
HPS30	ATESS	<p>PV Input: Vmax PV: 1000Vdc Max MPPT voltage: 480-800Vdc Current: 90A Isc PV: 100A Energy Storage: Voltage range: 352-600Vdc Max charge: 100A Max Discharge: 93A</p> <p>AC Input: 400Vac 50/60Hz 43A 0.8 to 0.8p.f. AC Output: 400Vac 50/60Hz 30kW 0.8 to 0.8p.f. Rated Apparent Power: 30kVA Rated Output Current: 43A</p> <p>Protective Class: I Over Voltage Category: PV: II, AC: III Topology: Isolated Ingress Protection: IP20 Operating Temperature Range: -25 to +55°C Hardware version: SSCP_HW_V1.1.1 Software version: HPS30K_150K_HV3_SV4.1.14_APP50549</p>

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