

Certificate of Conformity (COC)



Certificate Holder : Ningbo Deye ESS Technology Co., Ltd.
No. 568, South Rixian Road, Binhai Economic Development Zone, Cixi, Ningbo, Zhejiang, China

Date of Original Issue : 2025-01-28

Date of Last Revision : --

Date of Expiry : 2028-01-27

Certificate Number : PCS-25-1017

Product : All-in-one Energy Storage System

Ratings : See appendix on page 2

Brand/Trademark : 

Model(s) : See appendix on page 2

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

Testing Report : GZES241102103301, GZES241102103302, GZES241102103303 and GZES241102103304

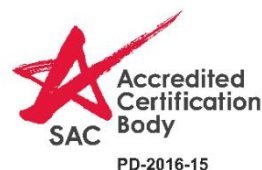
Test Standard : IEC 61727: 2004, IEC 62116: 2014, IEC 61683: 1999, IEC 60068-2-1: 2007, IEC 60068-2-2: 2007, IEC 60068-2-14: 2009 and IEC 60068-2-30: 2005



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



APPENDIX

Certificate Number: PCS-25-1017

Product Model	RW-F5.3-1H3	RW-F5.1-1H2	RW-F5.3-2H3	RW-F5.1-2H2
Input (DC)				
Max. PV Access Power (W)	10000		7200	
Max. PV Input Power (W)	8000		5760	
Max.PV Input Voltage (V)	500			
Start-up Voltage (V)	125			
MPPT Operating Range (V)	150-425			
Full Load MPPT Voltage Range (V)	300-425			
Rated Input Voltage (V)	370			
Max. Operating PV Input Current (A)	18+18			
Max. Input Short-Circuit Current (A)	27+27			
No. of MPP Trackers/No. of Strings per MPP Tracker	2/1+1			
Battery				
Battery Type	LiFePO ₄			
Battery Nominal Voltage (V)	51.2			
Battery Operating Voltage (V)	44.8-57.6			
Max. Charging/ Discharging Current (A)	100		75	
Output (AC)				
Rated active power (W)	5000		3600	
Max. apparent power (VA)	5500		3960	
Rated AC Output Current (A)	21.8		15.7	
Max. Output Current (A)	24.0		17.3	
Nominal Grid Voltage (V)	230 V [L/N/PE]			
Nominal Frequency (Hz)	50			
Power factor	0.8 leading to 0.8 lagging			
Topology	Non-Isolated			
Degree of protection	IP65			
Protective Level	Class I			
Cooling group	Natural Cooling			



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