

## VERIFICATION OF COMPLIANCE

No.: PV GZES2202002747PV  
Date of Issue: 2022/03/07 Expiry Date: 2027/03/07 (+5)  
Applicant: Opal Energy Pte Ltd  
18, Boon Lay Way #06-107 Trade Hub 21, Singapore 609966  
Manufacturer: Opal Energy Pte Ltd  
18, Boon Lay Way #06-107 Trade Hub 21, Singapore 609966  
Product Description: Hybrid Inverter  
Trade Mark/Name:   
Model No./ Series: Opal-8K-1P-EU, Opal-7.6K-1P-EU  
Opal-5K-1P-EU, Opal-3.6K-1P-EU  
Hardware Version: N/A  
Firmware Version: MCU: Ver1585  
Additional Information: IP20 / IP65  
Protection against Electric Shock: Class I  
Conclusion: In the opinion of SGS the submitted technical file satisfies the requirements of  
VDE 0126-1-1:2013  
Test Report Number(s): GZES220200274701

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.



David Guo  
Senior Technical Manager  
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Other information added:  
Ratings

Model Number	Opal-8K-1P-EU	Opal-7.6K-1P-EU	Opal-5K-1P-EU	Opal-3.6K-1P-EU
<b>PV Side</b>				
Max. input power	8800W	8448W	5500W	3960W
Max. input voltage	500			
Max. input current	18Adc*2	18Adc*2	10Adc*2	10Adc*2
MPPT voltage range	150 - 425			
<b>Battery Side</b>				
Battery type	Lead-acid battery or lithium-ion battery			
Battery voltage(V)	48Vdc(42-58Vdc)			
Max. Charger and Discharger power(W)	8800W	8448W	5500W	3960W
<b>AC Side</b>				
Rated grid voltage	230Vac (185V -265V)			
Rated grid frequency	50Hz (47.5-51.5Hz)			
Rated output power	8000W	7680W	5000W	3600W
Rated output current	38.5Aac	33.5Aac	20.8Aac	15.7Aac
Power factor	0.9Leading~0.9Lagging			
Ambient temperature	-25°C to 60°C (>45°C derating)			
Ingress protection	IP20 / IP65	IP20 / IP65	IP65	IP65
Protective class	Class I			




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