

Certificate Number: AZ 69026577

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV-026577-E

TÜV Rheinland Australia Pty Ltd "Electrical Product Safety Certification (EPSC) Scheme", accredited by JAS-ANZ in accordance with ISO/IEC 17065, has issued this certificate under JAS-ANZ accreditation. The electrical equipment described hereunder has been evaluated and found to be electrically safe at the time of certification and met the minimum safety requirements contained in Australian Standard AS/NZS 3820 as of current. It is a requirement that all equipment supplied under this certificate shall be identical to the equipment as certified. The certificate holder may affix the above mentioned authorised marking on the product

CERTIFICATE HOLDER:

Asian Power Devices Inc.
NO.5, LANE 83, LONG-SHOU ST.
TAOYUAN DIST., TAOYUAN CITY 33058
Taiwan

DESCRIPTION OF EQUIPMENT

Declared class: Non-declared

Product: ESS Inverter

Trade Name / Manufacturer: PrimeVOLT

Model Number: PV 6KHB-60 , PV 6KHB-120 , PV 5KHB-60 ,
PV 5KHB-120 , PV 4K6HB-60 , PV 4K6HB-120 ,

Ratings: Refer to CONTINUATION SHEET 1-2

Standard: IEC 62109-2:2011
IEC 62109-1:2010
AS/NZS 4777.2:2020+A1

Issue Date: 20/10/2022

Expiry Date: 20/10/2027

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

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Grant Li



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CONTINUATION SHEET 1

DESCRIPTION OF EQUIPMENT

Model: 1)PV 4K6HB-60, 2)PV 5KHB-60, 3)PV 6KHB-60,
4)PV 4K6HB-120, 5)PV 5KHB-120, 6)PV 6KHB-120

Vmax PV: 550Vdc

MPPT Voltage Range: 90V-520Vdc

Max. Input Current: 15Adc*2;

Max. Short Circuit Current: 20Adc*2;

Overvoltage Category (OVC): II for PV

Battery Input voltage range: 40-60Vdc

Battery Max. Charge/Discharge current:

1)2)3) 60Adc, 4)5)6) 120Adc

Overvoltage Category (OVC): II for DC

Output Rated Voltage: 220/230Vac (L+N+PE);

Rated Frequency: 50/60Hz;

Rated Output Current: 1)22Aac, 2)25Aac, 3)27.2Aac,

4)22Aac, 5)25Aac, 6)27.2Aac

Max. Continuous Current: 1)22Aac, 2)25Aac, 3)27.2Aac,

4)22Aac, 5)25Aac, 6)27.2Aac

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CONTINUATION SHEET 2

DESCRIPTION OF EQUIPMENT

Rated Apparent Power: 1)4600VA, 2)5000VA, 3)6000VA,
4)4600VA, 5)5000VA, 6)6000VA
Max. Apparent Power: 1)4600VA, 2)5500VA, 3)6000VA,
4)4600VA, 5)5500VA, 6)6000VA

Power Factor: 0.8 leading ~0.8lagging
Overvoltage Category (OVC): III for AC mains
Protective Class: Class I
Ingress Protection (IP): IP65
Pollution Degree (PD): PD3
Altitude[m]: 4000
Operating Temperature [°C]: -25 to 60 (> 45 derating)
Type of Inverter: Non-isolated

TÜVRheinland

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