

**Certificate Number:** AZ 69028181

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## CERTIFICATE OF SUITABILITY

Authorised marking: TUV-028181-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:

Wuxi Solinteg Power Co., Ltd.  
Building H1-1001,  
No. 6 Jingxian Road,  
Xinwu District, Wuxi,  
214135 Jiangsu  
P.R. China

### DESCRIPTION OF EQUIPMENT

<b>Declared class:</b>	Non-declared
<b>Product:</b>	Hybrid Inverter
<b>Trade Name / Manufacturer:</b>	SOLINTEG
<b>Model Number:</b>	MHT-25K-100 , MHT-30K-100 , MHT-36K-100 , MHT-40K-100 , MHT-50K-100 , MHT-40K-100-P , MHT-50K-100-P
<b>Ratings:</b>	Ratings refer to Continuation Sheets 1 and 4 for details
<b>Standard:</b>	AS/NZS 4777.2:2020+A1 IEC 62109-2:2011 IEC 62109-1:2010
<b>Issue Date:</b>	26/08/2024
<b>Expiry Date:</b>	26/08/2029

*Signed for and on behalf of TÜV Rheinland Australia Pty Ltd*

A handwritten signature in blue ink, appearing to read "John Wang".

John Wang



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### CONTINUATION SHEET 1

Description of Equipment

Ratings:

For all models

Protection: Class I, IP65, PD 2 ( Inside), PD 3 ( Outside)

Operating Temp.: -30°C to 60°C (Derating at 45°C)

Oversvoltage Category (OVC): DC sides: II; AC side: III

Inverter topology: Non-Isolated

Firmware version: V1.00

For models MHT-25K-100, MHT-30K-100, MHT-36K-100,  
MHT-40K-100, MHT-50K-100.

PV input:

Vmax: 1000Vdc

VMPP : 200-850Vdc

Isc: 40/40/40/40A

Imax: 30/30/30/30A

Battery type: Lithium Battery (with BMS)

Battery input:

Voltage range: 135-750Vdc

Max charging/discharging current: 100/100A

Issue Date: 26/08/2024

Expiry Date: 26/08/2029

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## CERTIFICATE OF SUITABILITY

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CONTINUATION SHEET 2

Description of Equipment

AC output(On-grid):

Rated Output voltage: 3/N/PE, 230/400Vac

Rated frequency: 50/60Hz

Rated Output Apparent power:25000,30000,36000,40000,50000VA

Max Output Apparent power:27500,33000,39600,44000,55000VA

Rated Output Power: 25000, 30000, 36000, 40000, 50000W

Max Output Power: 27500, 33000, 39600, 44000, 55000W

Max Output Current: 42.0, 50.0, 60.0, 66.0, 83.0A

Rated Output Current: 38.0, 43.5, 52.0, 60.0, 75.0A

Power factor:0.8 ind - 0.8 cap

EPS output(with battery)

AC output(Back up):

Rated Output voltage: 3/N/PE, 230/400Vac

Rated frequency: 50/60Hz

Rated Output power: 25000, 30000, 36000, 40000, 50000W

Rated Output Current: 38.0, 43.5, 52.0, 60.0, 75.0A

Issue Date: 26/08/2024

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## CERTIFICATE OF SUITABILITY

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CONTINUATION SHEET 3

Description of Equipment

For models MHT-40K-100-P, MHT-50K-100-P

PV input:

Vmax:1000Vdc

VMPP :200-850Vdc

Isc: 80/80A

Imax: 60/60A

Battery type: Lithium Battery (with BMS)

Battery input:

Voltage range: 135-750Vdc

Max charging/discharging current:100/100A

AC output(On-grid):

Rated Output voltage: 3/N/PE, 230/400Vac

Rated frequency:50/60Hz

Rated Output Apparent power: 40000, 50000VA

Max Output Apparent power: 44000, 55000VA

Rated Output Power: 40000, 50000W

Max Output Current: 66.0, 83.0A

Rated Output Current: 60.0, 75.0A

Power factor: 0.8 ind - 0.8 cap

Issue Date: 26/08/2024

Expiry Date: 26/08/2029

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## CERTIFICATE OF SUITABILITY

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CONTINUATION SHEET 4

Description of Equipment

EPS output(with battery)

AC output(Back up):

Rated Output voltage:3/N/PE, 230/400Vac

Rated frequency: 50/60Hz

Rated Output power: 40000, 50000W

Rated Output Current: 60.0, 75.0A

Issue Date: 26/08/2024

Expiry Date: 26/08/2029

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



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