

VERIFICATION OF COMPLIANCE

No.: **GZES1903012731PV**

Applicant: Australian Premium Solar(India)Pvt.Ltd.

Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ,

DIS: SABARKANTHA, GUJARAT, INDIA.

Manufacturer: Australian Premium Solar(India)Pvt.Ltd.

Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ,

APSG-1-6K-IN, APSG-1-5.3K-IN, APSG-1-4.2K-IN,

DIS: SABARKANTHA, GUJARAT, INDIA.

Product Name: Single phase Utility interactive inverter

Product Description: Inverter used in PV system

Model No.:

APSG-1-3 3K-INI APSG-1-2 2K-INI APSG-1-1 1K-II

APSG-1-3.3K-IN, APSG-1-2.2K-IN, APSG-1-1.1K-IN

Trade Mark:

Rating: Refer to page 2 and page 3

Intended Use: PV System

Protection against Electric Shock: Class I Additional Information (if any): IP 65

Firmware version: Display software version: Ver 150

Control software version: Ver 1702

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: IEC/EN 62109-1:2010 IEC/EN 62109-2:2011

as shown in the

Test Report Number(s): GZES190301273101, GZES190301273102

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.



Roger Hu

Technical Manager 2019-03-05

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SGS-CSTC



No:

VERIFICATION OF COMPLIANCE

GZFS1903012732PV

O

Applicant: Australian Premium Solar(India)Pvt.Ltd.

Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ,

DIS: SABARKANTHA, GUJARAT, INDIA.

Manufacturer: Australian Premium Solar(India)Pvt.Ltd.

Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ,

DIS: SABARKANTHA, GUJARAT, INDIA.

Product Name: Single phase Utility interactive inverter

Product Description: Inverter used in PV system

Model No.:

APSG-1-6K-IN,APSG-1-5.3K-IN,APSG-1-4.2K-IN,

APSG-1-3.3K-IN,APSG-1-2.2K-IN,APSG-1-1.1K-IN

Trade Mark:

Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I Additional Information (if any): IP 65

Firmware version: Display software version: Ver 150

Control software version: Ver 1702

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: Refer to page 2

as shown in the

Test Report Number(s): GZES190301273201, GZES190301273202

GZES190301273203, GZES190301273204

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.



Roger Hu

Technical Manager

SGS-CSTC

2019-03-05



No.: **GZES1903012732PV**

Other information added:

Test IEC 60068-2-1:2007. Environmental testing. Part 2-1: Tests. Test Ae: Cold. Standard: IEC 60068-2-2:2007. Environmental testing. Part 2-2: Tests. Test Be: Dry heat.

IEC 60068-2-14:2009. Environmental testing. Part 2-14: Tests. Test Nb: Change of

temperature.

IEC 60068-2-30:2005. Environ [nental testing. Part 2-30: Tests. Test Db-Variant 1:

Damp heat, cyclic (12 h + 12 h cycle).

IEC 61683:1999. Photovoltaics systems - Power conditioners - Procedure for

measuring efficiency.

IEC 62116:2014. Test procedure of islanding prevention measures for

utility-interconnected photovoltaic inverters.

IEC 61727:2004. Photovoltaics (PV) systems - Characteristics of the utility interface.

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Roger Hu Technical Manager SGS-CSTC

2019-03-05



VERIFICATION OF COMPLIANCE

GZES1903012733PV

Applicant: Australian Premium Solar(India)Pvt.Ltd.

Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ,

DIS: SABARKANTHA, GUJARAT, INDIA.

Manufacturer: Australian Premium Solar(India)Pvt.Ltd.

Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ,

DIS: SABARKANTHA, GUJARAT, INDIA. Three phase Utility interactive inverter

Product Description: Inverter used in PV system

Model No.: APSG-3-20K-IN, APSG-3-15K-IN, APSG-3-12K-IN,

APSG-3-10K-IN, APSG-3-8K-IN, APSG-3-7K-IN,

APSG-3-6.6K-IN, APSG-3-5.5K-IN

Trade Mark:

Product Name:

AUSTRALIAN PREMIUM SOLAR

Rating: Refer to page 2 and page 3

Intended Use: PV System

Protection against Electric Shock: Class I Additional Information (if any): IP 65

Firmware version: Display software version: Ver 150

Control software version: Ver 1702

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: IEC/EN 62109-1:2010 IEC/EN 62109-2:2011

as shown in the

Test Report Number(s): GZES190301273301, GZES190301273302

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.



Roger Hu

Technical Manager

SGS-CSTC

2019-03-05



Member of SGS Group (Société Générale de Surveillance)

No.:

GZES1903012733PV

Other information added:

Rating:

Model Number	APSG-3-20K-IN	APSG-3-15K-IN	APSG-3-12K-IN	APSG-3-10K-IN
Max. input power	22kw 16.5kw 13.2kw		11kw	
Max. input voltage		1000Vd.c.		900
Max. input current	20Ad.c.*2	20Ad.c.*2	20Ad.c.+10Ad.c.	10Ad.c.*2
MPPT voltage range		200-1000Vd.c.		200-900Vd.c.
Full load MPPT	500-1000Vd.c.	375-1000Vd.c.	400-1000Vd.c.	500-900Vd.c.
voltage range				
Rated grid voltage		3P/N/PE 2	230/400Vac	
Rated grid frequency		50HZ	/60HZ	
Rated output power	20kw	15kw	12kw	10kw
Rated output current	29Aa.c x3	21.8Aa.c x3	17.4Aa.c x3	14.5Aa.c x3
Power factor		0.8 leading t	o 0.8 lagging	
Ambient temperature	-25°C~60°C			
Ingress protection	IP65			
Protective class		Cla	ass I	

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



Roger Hu

Technical Manager

SGS-CSTC

2019-03-05



No.: **GZES1903012733PV**

Other information added:

Rating:

Model Number	APSG-3-8K-IN	APSG-3-7K-IN	APSG-3-6.6K-IN	APSG-3-5.5K-IN	
Max. input power	8.8kw	7.7kw	6.6kw	5.5kw	
Max. input voltage		1000Vd.c.		900	
Max. input current	10Ad.c.*2	10Ad.c.*2	10Ad.c.*2	10Ad.c.*2	
MPPT voltage range		200-1000Vd.c.		200-900Vd.c.	
Full load MPPT voltage range	400-900Vd.c.	350-900Vd.c.	300-900Vd.c.	250-1000Vd.c.	
Rated grid voltage	3P/N/PE 230/400Vac				
Rated grid frequency		50HZ	7/60HZ		
Rated output power	8kw	7kw	6kw	5kw	
Rated output current	11.6Aa.c x3	10.2Aa.c x3	8.7Aa.c x3	7.3Aa.c x3	
Power factor		0.8 leading t	to 0.8 lagging		
Ambient temperature	-25°C~60°C				
Ingress protection	IP65				
Protective class		Cla	ass I		

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.



Roger Hu

Technical Manager

SGS-CSTC

2019-03-05



Product Name:

VERIFICATION OF COMPLIANCE

GZES1903012734PV Australian Premium Solar(India)Pvt.Ltd. Applicant: Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ, DIS: SABARKANTHA, GUJARAT, INDIA. Australian Premium Solar(India)Pvt.Ltd. Manufacturer: Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ,

> DIS: SABARKANTHA, GUJARAT, INDIA. Three phase Utility interactive inverter

Product Description: Inverter used in PV system

Model No.:

APSG-3-20K-IN, APSG-3-15K-IN, APSG-3-12K-IN,

APSG-3-10K-IN, APSG-3-8K-IN, APSG-3-7K-IN,

APSG-3-6.6K-IN, APSG-3-5.5K-IN

Trade Mark:

Rating: Refer to page 2 and 3

Intended Use: PV System

Protection against Electric Shock: Class I Additional Information (if any): **IP 65**

Firmware version: Display software version: Ver 150

Control software version: Ver 1702

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: Refer to page 3

as shown in the

Test Report Number(s): GZES190301273401, GZES190301273402 GZES190301273403, GZES190301273404

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.

Roger Hu

Technical Manager

SGS-CSTC

2019-03-05



Other information added: Rating:

	ı	ı			
Model Number	APSG-3-20K-IN	APSG-3-15K-IN	APSG-3-12K-IN	APSG-3-10K-IN	
Max. input power	22kw	16.5kw	13.2kw	11kw	
Max. input voltage		1000Vd.c.		900	
Max. input current	20Ad.c.*2	20Ad.c.*2	20Ad.c.+10Ad.c.	10Ad.c.*2	
MPPT voltage range		200-1000Vd.c.		200-900Vd.c.	
Full load MPPT voltage	500-1000Vd.c.	375-1000Vd.c.	400-1000Vd.c.	500-900Vd.c.	
range					
Rated grid voltage		3P/N/PE 23	30/400Vac		
Rated grid frequency		50HZ/	60HZ		
Rated output power	20kw	15kw	12kw	10kw	
Rated output current	29Aa.c x3	21.8Aa.c x3	17.4Aa.c x3	14.5Aa.c x3	
Power factor	0.8 leading to 0.8 lagging				
Ambient temperature	-25°C~60°C				
Ingress protection	IP65				
Protective class		Cla	ss I		

GZES1903012734PV



Roger Hu Technical Manager SGS-CSTC

2019-03-05



No.: **GZES1903012734PV**

Other information added: Rating:

	1	1	1	1	
Model Number	APSG-3-8K-IN	APSG-3-7K-IN	APSG-3-6.6K-IN	APSG-3-5.5K-IN	
Max. input power	8.8kw	7.7kw	6.6kw	5.5kw	
Max. input voltage		1000Vd.c.		900	
Max. input current	10Ad.c.*2	10Ad.c.*2	10Ad.c.*2	10Ad.c.*2	
MPPT voltage range		200-1000Vd.c.		200-900Vd.c.	
Full load MPPT voltage	400-900Vd.c.	350-900Vd.c.	300-900Vd.c.	250-1000Vd.c.	
range					
Rated grid voltage		3P/N/PE 2	230/400Vac		
Rated grid frequency		50HZ	Z/60HZ		
Rated output power	8kw	7kw	6kw	5kw	
Rated output current	11.6Aa.c x3	10.2Aa.c x3	8.7Aa.c x3	7.3Aa.c x3	
Power factor	0.8 leading to 0.8 lagging				
Ambient temperature	-25°C~60°C				
Ingress protection	IP65				
Protective class		Cla	ass I		

Test Standard: IEC 60068-2-1:2007. Environmental testing. Part 2-1: Tests. Test Ae: Cold. IEC 60068-2-2:2007. Environmental testing. Part 2-2: Tests. Test Be: Dry heat. IEC 60068-2-14:2009. Environmental testing. Part 2-14: Tests. Test Nb: Change of temperature.

IEC 60068-2-30:2005. Environ Inental testing. Part 2-30: Tests. Test Db-Variant 1: Damp heat, cyclic (12 h + 12 h cycle).

IEC 61683:1999. Photovoltaics systems - Power conditioners - Procedure for measuring efficiency.

IEC 62116:2014. Test procedure of islanding prevention measures for

utility-interconnected photovoltaic inverters.

IEC 61727:2004. Photovoltaics (PV) systems - Characteristics of the utility interface.

Roger Hu

Technical Manager SGS-CSTC

2019-03-05



VERIFICATION OF COMPLIANCE

GZES1903012727PV

Applicant: Australian Premium Solar(India)Pvt.Ltd.

Applicant. Australian Premium Sola (mola)PVI.Ltd.

Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ,

DIS: SABARKANTHA, GUJARAT, INDIA

Manufacturer: Australian Premium Solar(India)Pvt.Ltd.

Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ,

DIS: SABARKANTHA, GUJARAT, INDIA.

Product Name: Three phase Utility interactive inverter

Product Description: Inverter used in PV system

Model No.:

APSG-3-50K-IN, APSG-3-40K-IN, APSG-3-35K-IN,

APSG-3-30K-IN, APSG-3-25K-IN

Trade Mark:

AUSTRALIAN PREMIUM SOLAR

Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I Additional Information (if any): IP 65

Firmware version: Display software version: Ver 150

Control software version: Ver 1702

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: IEC/EN 62109-1:2010 IEC/EN 62109-2:2011

as shown in the

Test Report Number(s): GZES190301272701, GZES190301272702

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.



Roger Hu

Technical Manager 2019-03-05

SGS-CSTC



Member of SGS Group (Société Générale de Surveillance)

No.: **GZES1903012727PV**

Other information added:

Rating:

Model Number	APSG-3-25K-IN	APSG-3-30K-IN	APSG-3-35K-IN	APSG-3-40K-IN	APSG-3-50K-IN		
Max. input power	27.5kW	36.3kW	38.5kW	44kW	55kw		
Max. input voltage			1000Vd.c.				
Max. input current	28.5Ad.c. ×2	28.5Ad.c. ×2	28.5Ad.c. ×3	28.5Ad.c. ×3	28.5Ad.c. ×4		
MPPT voltage range			200-1000Vd.c.				
Full load MPPT voltage			460-850V.d.c				
range							
Rated grid voltage		3	P/N/PE 230/400Va	С			
Rated grid frequency			50Hz/60Hz				
Rated output power	25kW	30kW	35kW	40kW	50kw		
Rated output current	36.2Aa.c x3	36.2Aa.c x3 47.8Aa.c x3 50.7Aa.c x3 58Aa.c x3 72.4Aa.c x3					
Power factor	0.8 leading to 0.8 lagging						
Ambient temperature	-25°C~60°C						
Ingress protection	IP65						
Protective class			Class I				



Roger Hu

Technical Manager

SGS-CSTC

2019-03-05



VERIFICATION OF COMPLIANCE

No.: **GZES1903012728PV**

Applicant: Australian Premium Solar(India)Pvt.Ltd.

Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ,

DIS: SABARKANTHA, GUJARAT, INDIA

Manufacturer: Australian Premium Solar(India)Pvt.Ltd.

Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ,

DIS: SABARKANTHA, GUJARAT, INDIA.

Product Name: Three phase Utility interactive inverter

Product Description: Inverter used in PV system

Model No.:

APSG-3-50K-IN, APSG-3-40K-IN, APSG-3-35K-IN,

APSG-3-30K-IN, APSG-3-25K-IN

Trade Mark:

AUSTRALIAN PREMIUM SOLAR

Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I Additional Information (if any): IP 65

Firmware version: Display software version: Ver 150

Control software version: Ver 1702

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: Refer to page 2

as shown in the

Test Report Number(s): GZES190301272801, GZES190301272802

GZES190301272803, GZES190301272804

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.

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Roger Hu

Technical Manager

SGS-CSTC

2019-03-05



GZES1903012728PV

Other information added: Rating:

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Madal Nivesbar	APSG-3-25	APSG-3-30	APSG-3-35	APSG-3-40	APSG-3-50	
Model Number	K-IN	K-IN	K-IN	K-IN	K-IN	
Max. input power	27.5kW	36.3kW	38.5kW	44kW	55kw	
Max. input voltage			1000Vd.c.			
	28.5Ad.c.	28.5Ad.c.	28.5Ad.c.	28.5Ad.c.	28.5Ad.c.	
Max. input current	×2	×2	×3	×3	×4	
MPPT voltage range			200-1000Vd.c.			
Full load MPPT						
voltage range			460-850V.d.c			
Rated grid voltage		3P.	/N/PE 230/400\	/ac		
Rated grid frequency			50Hz/60Hz			
Rated output power	25kW	30kW	35kW	40kW	50kw	
Rated output current	36.2Aa.c x3	47.8Aa.c ×3	50.7Aa.c ×3	58Aa.c ×3	72.4Aa.c ×3	
Power factor	0.8 leading to 0.8 lagging					
Ambient temperature	-25°C~60°C					
Ingress protection	IP65					
Protective class			Class I		_	

Test Standard: IEC 60068-2-1:2007. Environmental testing. Part 2-1: Tests. Test Ae: Cold. IEC 60068-2-2:2007. Environmental testing. Part 2-2: Tests. Test Be: Dry heat.

IEC 60068-2-14:2009. Environmental testing. Part 2-14: Tests. Test Nb: Change of

temperature.

IEC 60068-2-30:2005. Environ Inental testing. Part 2-30: Tests. Test Db-Variant 1:

Damp heat, cyclic (12 h + 12 h cycle).

IEC 61683:1999. Photovoltaics systems - Power conditioners - Procedure for

measuring efficiency.

IEC 62116:2014. Test procedure of islanding prevention measures for

utility-interconnected photovoltaic inverters.

IEC 61727:2004. Photovoltaics (PV) systems - Characteristics of the utility interface.

Roger Hu

Technical Manager

SGS-CSTC

2019-03-05



VERIFICATION OF COMPLIANCE

GZES1903012729PV

Applicant: Australian Premium Solar(India)Pvt.Ltd.

Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ,

DIS: SABARKANTHA, GUJARAT, INDIA

Manufacturer: Australian Premium Solar(India)Pvt.Ltd.

Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ,

DIS: SABARKANTHA, GUJARAT, INDIA

Product Name: Three phase Utility interactive inverter

Product Description: Inverter used in PV system

Model No.:

APSG-3-80K-IN, APSG-3-75K-IN, APSG-3-70K-IN,

APSG-3-60K-IN

Trade Mark:

AISTALIAN PDEMILIA SOLAD

Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I Additional Information (if any): IP 65

Firmware version: Display software version: Ver 150

Control software version: Ver 1702

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: IEC/EN 62109-1:2010
IEC/EN 62109-2:2011

as shown in the

Test Report Number(s): GZES190301272901, GZES190301272902

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.



Roger Hu

Technical Manager

2019-03-05

SGS-CSTC



No.: **GZES1903012729PV**

Other information added: Rating:

Model Number	APSG-3-60K-IN	APSG-3-70K-IN	APSG-3-75K-IN	APSG-3-80K-IN	
Max. input power	66kW	77kW	82.5kW	88kW	
Max. input voltage		1000	Vd.c.		
Max. input current	28.5Ad.c. ×4	28.5Ad.c. ×4	28.5Ad.c. ×4	28.5Ad.c. ×4	
MPPT voltage range		200-10	00Vd.c.		
Full load MPPT					
voltage range		720-85	60V.d.c		
Rated grid voltage		3P/N/PE 2	30/400Vac		
Rated grid frequency		50Hz/	/60Hz		
Rated output power	60kW	70kW	75kW	80kW	
Rated output current	87.0Aa.c x3	101.4Aa.c ×3	108.7Aa.c ×3	115.9Aa.c ×3	
Power factor	0.8 leading to 0.8 lagging				
Ambient temperature	-25°C~60°C				
Ingress protection	IP65				
Protective class	Class I				

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.



Roger Hu

Technical Manager

SGS-CSTC

2019-03-05



VERIFICATION OF COMPLIANCE

GZES1903012730PV

Applicant:

Australian Premium Solar(India)Pvt.Ltd.
Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ,
DIS: SABARKANTHA,GUJARAT, INDIA

Manufacturer:

Australian Premium Solar(India)Pvt.Ltd.

Near GEB Substation, NH 08, TAJPUR, TA:PRANTIJ,

DIS: SABARKANTHA, GUJARAT, INDIA

Product Name: Three phase Utility interactive inverter

Product Description: Inverter used in PV system

Model No.:

APSG-3-80K-IN,APSG-3-75K-IN,APSG-3-70K-IN,

APSG-3-60K-IN

Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I Additional Information (if any): IP 65

Firmware version: Display software version: Ver 150

Control software version: Ver 1702

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: Refer to page 2

as shown in the

Trade Mark:

Test Report Number(s): GZES190301273001, GZES190301273002 GZES190301273003, GZES190301273004

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.

Roger Hu

Technical Manager

SGS-CSTC

2019-03-05



No.: **GZES1811002776PV**

Other information added: Rating:

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Madal Number	APSG-3-60	APSG-3-70K	APSG-3-75K	APSG-3-80K
Model Number	K-IN	-IN	-IN	-IN
Max. input power	66kW	77kW	82.5kW	88kW
Max. input voltage		1000	Vd.c.	
Max. input current	28.5Ad.c. ×4	28.5Ad.c. ×4	28.5Ad.c. ×4	28.5Ad.c. ×4
MPPT voltage range	200-1000Vd.c.			
Full load MPPT voltage range	720-850V.d.c			
Rated grid voltage		3P/N/PE 2	30/400Vac	
Rated grid frequency		50Hz	/60Hz	
Rated output power	60kW	70kW	75kW	80kW
Rated output current	87.0Aa.c x3	101.4Aa.c ×3	108.7Aa.c ×3	115.9Aa.c ×3
Power factor	0.8 leading to 0.8 lagging			
Ambient temperature	-25°C~60°C			
Ingress protection	IP65			
Protective class		Cla	ass I	

Test Standard: IEC 60068-2-1:2007. Environmental testing. Part 2-1: Tests. Test Ae: Cold. IEC 60068-2-2:2007. Environmental testing. Part 2-2: Tests. Test Be: Dry heat. IEC 60068-2-14:2009. Environmental testing. Part 2-14: Tests. Test Nb: Change of temperature.

IEC 60068-2-30:2005. Environ Inental testing. Part 2-30: Tests. Test Db-Variant 1: Damp heat, cyclic (12 h + 12 h cycle).

IEC 61683:1999. Photovoltaics systems - Power conditioners - Procedure for measuring efficiency.

IEC 62116:2014. Test procedure of islanding prevention measures for

utility-interconnected photovoltaic inverters.

IEC 61727:2004. Photovoltaics (PV) systems - Characteristics of the utility interface.



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