

**RELATÓRIO DE INSPEÇÃO
DE
INVERSORES DE CORRENTE CONTÍNUA
PARA CORRENTE ALTERNADA
(CC/CA)**

Ref.: 2015-08-001

Solicitante:

**SIMPLIFIC PAVARINI DISTRIBUIDORA de TÍTULOS e VALORES
MOBILIÁRIOS Ltda.**

Proprietário:

SPE BRASIL SOLAIR LOCAÇÃO e ARRENDAMENTO de PAINÉIS SOLARES S.A



1. Locais das inspeções:

1.1. Filial Teresina:

Rua Castelo do Piauí, 2545
Memorare – Teresina – PI
CEP: 64.009-330

1.2. Filial São Gonçalo:

Rua Frederico Gonçalves, 54 – Galpão 02
Santa Luzia - São Gonçalo – RJ
CEP: 24.722-810

2. Características dos objetos inspecionados:

Os objetos inspecionados são componentes de sistemas fotovoltaicos para geração de energia elétrica. São os objetos desta inspeção inversores de corrente contínua para corrente alternada (CC/CA).

2.1. Especificações INVERSORES CC/CA:

Inversor CC/CA, 2 MPPT,

Modelo: BSL-SUNUNO TL 5K – SAJ

Fabricante: BSL-SUNUNO

Potência: 5kW



3. Descrição do Armazenamento:

3.1. Filial Teresina:

Na filial Teresina foi verificado que os materiais estão armazenados em um galpão fechado com 800m², ventilado, com cobertura em bom estado, iluminação e vigilância. Os produtos inspecionados estão paletizados e mantidos íntegros em suas embalagens originais. Foram apresentadas notas fiscais. Na etiqueta externa da caixa contendo o número de série dos equipamentos Abaixo as fotos do local.



Foto 3.1.1





Foto 3.1.2



3.2. Filial São Gonçalo:

Na filial São Gonçalo foi verificado que os materiais estão armazenados em um galpão fechado com 450m², ventilado, com cobertura em bom estado, iluminação natural e vigilância. Os produtos inspecionados estão paletizados e mantidos íntegros em suas embalagens originais. A informação do conteúdo de cada caixa está afixado do lado de fora. Foram apresentadas notas fiscais, e listagem contendo o número de série dos equipamentos lá armazenados. Abaixo as fotos do local.



Foto 3.2.1





Foto 3.2.2

A handwritten signature or mark in blue ink, consisting of a stylized, circular scribble with a vertical line extending upwards from the center.

4. Análise técnica:

4.1. Filial Teresina:

Após inspeção aleatória dos inversores CC/CA na filial de Teresina em caixas em diferentes posições do galpão, foi constatado que os equipamentos inspecionados estão em conformidade com as especificações técnicas definidas no item 2.1 deste relatório;

Foram recebidos nesta filial 640 inversores CC/CA, cada qual com capacidade de 5kW, que totalizam 3.200.000W ou 3.200kW;

4.3. Filial São Gonçalo:

Após inspeção aleatória dos painéis fotovoltaicos na filial de São Gonçalo em caixas em diferentes posições do galpão, foi constatado que os equipamentos inspecionados estão em conformidade com as especificações técnicas definidas nos itens 2.1 deste relatório;

Foram recebidos nesta filial 1280 inversores CC/CA, cada qual com capacidade de 5kW, que totalizam 6.400.000W ou 6.400kW;



5. Conclusão:

- Os inversores CC/CA inspecionados têm as seguintes características:

**Inversor CC/CA, 2 MPPT,
Modelo: BSL-SUNUNO TL 5K – SAJ
Fabricante: BSL-SUNUNO
Potência: 5kW**

- Foi comprovado o recebimento dos inversores CC/CA nas filiais da SPE BRASIL SOLAIR de Teresina e de São Gonçalo de um total de 1.920 inversores CC/CA, que totalizam uma capacidade de 9.600.000W ou 9.600kW;
- Foi comprovado que a SPE BRASIL SOLAIR está de posse os inversores CC/CA, e os mesmos estão devidamente identificados e adequadamente armazenados;

Rio de Janeiro, 28 de agosto de 2015



**André Couceiro Godinho
Engenheiro Mecânico**

**André Couceiro Godinho
Engenheiro Mecânico
CREA-RJ 134209/D**

**Ataulpho Coutinho, 200 BL1 803
Rio de Janeiro – RJ
CEP: 22793-520**

**Telefone: (21) 98020-5872
andregod1968@gmail.com**

6. Anexos

6.1. Inversores da Filial Teresina

S&J solar inverter

Guangzhou Sanjing Electric Co., Ltd.
Tel: (+86)20-66608618 Fax: (+86)20-66608589
Web: www.saj-solar.com E-mail: service@saj-solar.com

Type: Sununo-TL5K

PV input ratings	
Vmax. PV:	580Vdc
DC Nominal Voltage:	360Vdc
Vdc MPPT:	120V-500Vdc
Pdc max.:	5200W
Isc (max.) PV:	16Adc

AC output ratings	
Voltage (nominal)	220/230/240Vac
Current (maximum continuous)	25Aac
Frequency (nominal)	50/60Hz
Power (nominal continuous)	5000W
Power (maximum continuous)	5000W
Power Factor (Full load)	>0.99

Temperature: -25°C~60°C
Protective Class: I
Overvoltage Category: II (DC), III (AC)
Ingress protection: IP65

IEC62109-1/2 IEC61000-6-2/3
VDE0126-1-1/A1 G83/2 G59/3
EN50438 UTE C15-712-1 C10/11
AS4777.2 AS4777.3 AS3100
IEC62116 IEC61727 PEA/MEA

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Foto 6.1.1

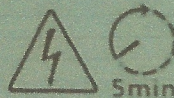




Guangzhou Sanjing Electric Co., Ltd.
Tel: (+86)20-88608818 Fax: (+86)20-88608819
Web: www.saj-solar.com E-mail: service@saj-solar.com

Type: Sununo-TL5K

	PV input ratings	
	V _{max} PV:	580Vdc
	DC Nominal Voltage:	360Vdc
	V _{dc} MPPT:	120V-500Vdc
	P _{dc} max:	5200W
	I _{sc} (max.) PV:	16Adc
	AC output ratings	
	Voltage (nominal)	220/230/240Vac
	Current (maximum continuous)	25Aac
	Frequency (nominal)	50/60Hz
Temperature: -25°C-60°C		
Protective Class: I		
Overvoltage Category: II (DC), III (AC)		
Ingress protection: IP65		
IEC62109-1/2 IEC61000-6-2/3		
VDE0126-1-1/A1 G83/2 G59/3		
EN50438 UTE C15-712-1 C10/11		
AS4777.2 AS4777.3 AS3100		
IEC62116 IEC61727 PEA/MEA		



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Guangdong
Tel: (+86)20-66606618 Fax: (+86)20-66606618
Web: www.saj-solar.com E-mail: service@saj-solar.com

Type: Sununo-TL5K

	PV input ratings	
	Vmax. PV:	580Vdc
	DC Nominal Voltage:	360Vdc
	Vdc MPPT:	120V-500Vdc
	Pdc max.:	5200W
	Isc (max.) PV:	16Adc
	AC output ratings	
	Voltage (nominal):	220/230/240Vac
	Current (maximum continuous)	25Aac
	Frequency (nominal)	50/60Hz
	Power (nominal continuous)	5000W
	Power (maximum continuous)	5000W
	Power Factor (Full load)	>0.99
Temperature: -25°C-60°C		
Protective Class: I		
Overvoltage Category: II (DC), III (AC)		
Ingress protection: IP65		
IEC62109-1/2 IEC61000-6-2/3		
VDE0126-1-1/A1 G83/2 G59/3		
EN50438 UTE C15-712-1 C10/11		
AS4777.2 AS4777.3 AS3100		
IEC62110 IEC61727 PEA/MEA		



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Guangzhou Sanjing Electric Co., Ltd.
Tel: (+86)20-85008818 Fax: (+86)20-85008899
Web: www.saj-solar.com E-mail: service@saj-solar.com

Type: Sununo-TL5K

PV input ratings

Vmax. PV:	550Vdc
DC Nominal Voltage:	360Vdc
Vdc MPPT:	120V-500Vdc
Pdc max.:	5200W
Isc (max.) PV:	16Adc



AC output ratings

Voltage (nominal)	220/230/240Vac
Current (maximum continuous)	25Aac
Frequency (nominal)	50/60Hz
Power (nominal continuous)	5000W
Power (maximum continuous)	5000W
Power Factor (Full load)	>0.99

Temperature: -25°C-60°C
Protective Class: I
Overvoltage Category: II (DC), III (AC)
Ingress protection: IP65

IEC62109-1/2 IEC61000-6-2/3
VDE0126-1-1/A1 GB3/2 GB9/3
EN50438 UTE C15-712-1 C10/11
AS4777.2 AS4777.3 AS3100
IEC62116 IEC61727 PEA/MEA



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Guangzhou Sanjing Electric Co., Ltd.
 Tel: (+86)20-66608618 Fax: (+86)20-66608589
 Web: www.saj-solar.com E-mail: service@saj-solar.com

Type: Sununo-TL5K

PV input ratings	
Vmax. PV:	580Vdc
DC Nominal Voltage:	360Vdc
Vdc MPPT:	120V-500Vdc
Pdc max.:	5200W
Isc (max.) PV:	16Adc
AC output ratings	
Voltage (nominal)	220/230/240Vac
Current (maximum continuous)	25Aac
Frequency (nominal)	50/60Hz
Power (nominal continuous)	5000w
Power (maximum continuous)	5000W
Power Factor (Full load)	>0.99
Temperature: -25°C-60°C Protective Class: I Overvoltage Category: II (DC), III (AC) Ingress protection: IP65	
IEC62109-1/2 IEC61000-6-2/3 VDE0126-1-1/A1 G83/2 G59/3 EN50438 UTE C15-712-1 C10/11 AS4777.2 AS4777.3 AS3100 IEC62116 IEC61727 PEA/MEA	



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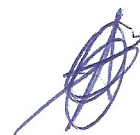
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Solar Inverter

Tel: (+86)20-66608618 Fax: (+86)20-66608619
Web: www.saj-solar.com E-mail: service@saj-solar.com

Type: Sununo-TL5K

PV input ratings	
Vmax. PV:	580Vdc
DC Nominal Voltage	360Vdc
Vdc MPPT:	120V-500Vdc
Pdc max..	5200W
Isc (max.) PV:	16Adc
AC output ratings	
Voltage (nominal)	220/230/240Vac
Current (maximum continuous)	25Aac
Frequency (nominal)	50/60Hz
Power (nominal continuous)	5000W
Power (maximum continuous)	5000W
Power Factor (Full load)	>0.99
Temperature: -25°C-60°C Protective Class: I Overvoltage Category: II (DC), III (AC) Ingress protection: IP65	
IEC62109-1/2 IEC61000-6-2/3 VDE0126-1-1/A1 G83/2 G59/3 EN50438 UTE C15-712-1 C10/11 AS4777.2 AS4777.3 AS3100 IEC62116 IEC61727 PEA/MEA	



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Guangzhou Sanjing Electric Co., Ltd.

Tel: (+86)20-66608618 Fax: (+86)20-66608589

Web: www.saj-solar.com E-mail: service@saj-solar.com

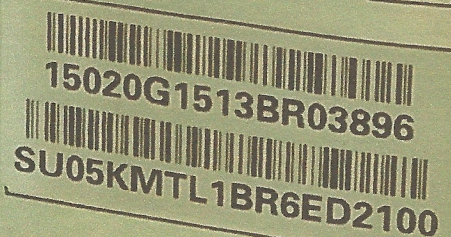
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	PV input ratings	
	Vmax. PV:	580Vdc
	DC Nominal Voltage:	360Vdc
	Vdc MPPT:	120V-500Vdc
	Pdc max..	5200W
	Isc (max.) PV:	16Adc
	AC output ratings	
	Voltage (nominal)	220/230/240Vac
	Current (maximum continuous)	25Aac
	Frequency (nominal)	50/60Hz
	Power (nominal continuous)	5000W
	Power (maximum continuous)	5000W
	Power Factor (Full load)	>0.99
Temperature: -25°C-60°C		
Protective Class: I		
Overvoltage Category: II (DC), III (AC)		
Ingress protection: IP65		
IEC62109-1/2 IEC61000-6-2/3 VDE0126-1-1/A1 G83/2 G59/3 EN50438 UTE C15-712-1 C10/11 AS4777.2 AS4777.3 AS3100 IEC62116 IEC61727 PEA/MEA		



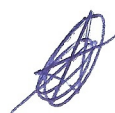
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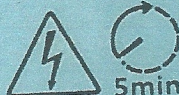




Guangzhou Sanjing Electric Co., Ltd.
Tel: (+86)20-66608618 Fax: (+86)20-66608589
Web: www.saj-solar.com E-mail: service@saj-solar.com

Type: Sununo-TL5K

	PV input ratings	
	Vmax. PV:	580Vdc
DC Nominal Voltage:	360Vdc	
Vdc MPPT:	120V-500Vdc	
Pdc max..	5200W	
Isc (max.) PV:	16Adc	
	AC output ratings	
	Voltage (nominal)	220/230/240Vac
	Current (maximum continuous)	25Aac
	Frequency (nominal)	50/60Hz
	Power (nominal continuous)	5000W
	Power (maximum continuous)	5000W
	Power Factor (Full load)	>0.99
	Temperature: -25°C-60°C	
	Protective Class: I	
	Overvoltage Category: II (DC), III (AC)	
	Ingress protection: IP65	
	IEC62109-1/2 IEC61000-6-2/3	
	VDE0126-1-1/A1 G83/2 G59/3	
	EN50438 UTE C15-712-1 C10/11	
	AS4777.2 AS4777.3 AS3100	
	IEC62116 IEC61727 PEA/MEA	

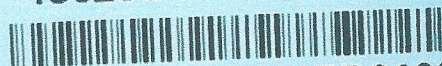


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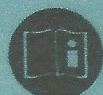
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Guangzhou Sanjing Electric Co., Ltd.
Tel: (+86)20-66608618 Fax: (+86)20-66608589
Web: www.saj-solar.com E-mail: service@saj-solar.com

Type: Sununo-TL5K

	PV input ratings	
	Vmax. PV:	580Vdc
	DC Nominal Voltage:	360Vdc
	Vdc MPPT:	120V-500Vdc
	Pdc max..	5200W
	Isc (max.) PV:	16Adc
	AC output ratings	
	Voltage (nominal)	220/230/240Vac
	Current (maximum continuous)	25Aac
	Frequency (nominal)	50/60Hz
	Power (nominal continuous)	5000W
	Power (maximum continuous)	5000W
	Power Factor (Full load)	>0.99
	Temperature: -25°C-60°C	
	Protective Class: I	
	Overvoltage Category: II (DC), III (AC)	
	Ingress protection: IP65	
	IEC62109-1/2 IEC61000-6-2/3	
	VDE0126-1-1/A1 G83/2 G59/3	
	EN50438 UTE C15-712-1 C10/11	
	AS4777.2 AS4777.3 AS3100	
	IEC62116 IEC61727 PEA/MEA	



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Guangzhou Sanjing Electric Co., Ltd.
Tel: +86(20)-68608618 Fax: +86(20)-68608698
Web: www.saj-solar.com E-mail: service@saj-solar.com

Type: Sununo-TL5K

PV input ratings

Vmax. PV	580Vdc
DC Nominal Voltage	360Vdc
Vdc MPPT	120V-500Vdc
Pdc max.	5200W
Isc (max.) PV	16Adc



AC output ratings

Voltage (nominal)	220/230/240Vac
Current (maximum continuous)	25Aac
Frequency (nominal)	50/60Hz
Power (nominal continuous)	5000W
Power (maximum continuous)	5000W
Power Factor (Full load)	>0.99

Temperature: -25°C-60°C
Protective Class: I
Overvoltage Category: I (DC), II (AC)
Ingress protection: IP65

IEC62109-1/2 IEC61000-6-2/3
VDE0126-1-1/A1 G83/2 G59/3
EN50438 UTE C15-712-1 C10/11
AS4777.2 AS4777.3 AS3100
IEC62116 IEC61727 PEA/MEA



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SAJ
SOLAR INVERTER

Guangzhou Sanjing Electric Co., Ltd.
 Tel: (+86)20-66608618 Fax: (+86)20-66608589
 Web: www.saj-solar.com E-mail: service@saj-solar.com

Type: Sununo-TL5K

PV input ratings	
Vmax. PV:	580Vdc
DC Nominal Voltage:	360Vdc
Vdc MPPT:	120V-500Vdc
Pdc max.:	5200W
Isc (max.) PV:	16Adc



AC output ratings	
Voltage (nominal):	220/230/240Vac
Current (maximum continuous):	25Aac
Frequency (nominal):	50/60Hz
Power (nominal continuous):	5000W
Power (maximum continuous):	5000W
Power Factor (Full load):	>0.99

Temperature: -25°C-60°C Protective Class: I Overvoltage Category: II (DC), III (AC) Ingress protection: IP65
IEC62109-1/2 IEC61000-6-2/3 VDE0126-1-1/A1 G83/2 G59/3 EN50438 UTE C15-712-1 C10/11 AS4777.2 AS4777.3 AS3100 IEC62116 IEC61727 PEA/MEA










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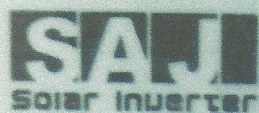
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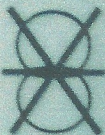
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Guangzhou Sanjing Electric Co., Ltd.

Tel: (+86)20-86608618 Fax: (+86)20-86608549
Web: www.saj-solar.com E-mail: service@saj-solar.com

Type: Sununo-TL5K

	PV input ratings	
	Vmax. PV:	580Vdc
	DC Nominal Voltage:	360Vdc
	Vdc MPPT:	120V-500Vdc
	Pdc max.:	5200W
	Isc (max.) PV:	16Adc
	AC output ratings	
	Voltage (nominal)	220/230/240Vac
	Current (maximum continuous)	25Aac
	Frequency (nominal)	50/60Hz
	Power (nominal continuous)	5000W
	Power (maximum continuous)	5000W
	Power Factor (Full load)	>0.99
Temperature: -25°C-60°C		
Protective Class: I		
Overvoltage Category: II (DC), III (AC)		
Ingress protection: IP65		
IEC62109-1/2 IEC61000-6-2/3 VDE0126-1-1/A1 G83/2 G59/3 EN50438 UTE C15-712-1 C10/11 AS4777.2 AS4777.3 AS3100 IEC62116 IEC61727 PEA/MEA		



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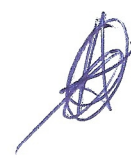
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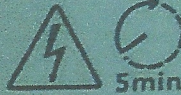
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Type: Sununo-TL5K

	PV input ratings	
	Vmax. PV:	580Vdc
	DC Nominal Voltage:	360Vdc
	Vdc MPPT:	120V-500Vdc
	Pdc max.:	5200W
	Isc (max.) PV:	16Adc
	AC output ratings	
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	Current (maximum continuous)	25Aac
	Frequency (nominal)	50/60Hz
	Power (nominal continuous)	5000W
	Power (maximum continuous)	5000W
	Power Factor (Full load)	>0.99
	Temperature: -25℃-60℃	
	Protective Class: I	
	Overvoltage Category: II (DC), III (AC)	
	Ingress protection: IP65	
	IEC62109-1/2 IEC61000-6-2/3	
	VDE0126-1-1/A1 G83/2 G59/3	
	EN50438 UTE C15-712-1 C10/11	
	AS4777.2 AS4777.3 AS3100	
	IEC62116 IEC61727 PEA/MEA	



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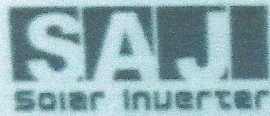
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SU05KMTL1BR6ED2100

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Foto 6.2.3

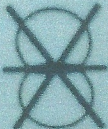


Guangzhou Sanjing Electric Co., Ltd.

Tel: (+86)20-86608618 Fax: (+86)20-86608589

Web: www.saj-solar.com E-mail: service@saj-solar.com

Type: Sununo-TL5K

	PV input ratings	
	Vmax. PV:	580Vdc
	DC Nominal Voltage:	360Vdc
	Vdc MPPT:	120V-500Vdc
	Pdc max..	5200W
	Isc (max.) PV:	16Adc
	AC output ratings	
	Voltage (nominal)	220/230/240Vac
	Current (maximum continuous)	25Aac
	Frequency (nominal)	50/60Hz
Power (nominal continuous)	5000W	
Power (maximum continuous)	5000W	
Power Factor (Full load)	>0.99	
	Temperature: -25℃-60℃ Protective Class: I Overvoltage Category: II (DC), III (AC) Ingress protection: IP65	
	IEC62109-1/2 IEC61000-6-2/3 VDE0126-1-1/A1 G83/2 G59/3 EN50438 UTE C15-712-1 C10/11 AS4777.2 AS4777.3 AS3100 IEC62116 IEC61727 PEA/MEA	



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Foto 6.2.4

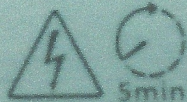




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Tel: (+86)20-86608618 Fax: (+86)20-86608589
Web: www.saj-solar.com E-mail: service@saj-solar.com

Type: Sununo-TL5K

	PV input ratings	
	Vmax. PV	580Vdc
	DC Nominal Voltage	360Vdc
	Vdc MPPT	120V-500Vdc
	Pdc max.	5200W
	Isc (max.) PV	16Adc
	AC output ratings	
	Voltage (nominal)	220/230/240Vac
	Current (maximum continuous)	25Aac
	Frequency (nominal)	50/60Hz
Temperature: -25°C-60°C		
Protective Class: I		
Overvoltage Category: II (DC), III (AC)		
Ingress protection: IP65		
IEC62109-1/2 IEC61000-6-2/3		
VDE0126-1-1/A1 G83/2 G59/3		
EN50438 UTE C15-712-1 C10/11		
AS4777.2 AS4777.3 AS3100		
IEC62116 IEC61727 PEA/MEA		



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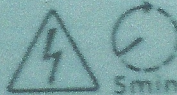
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SAJ
SOLAR INVERTER

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Type: Sununo-TL5K

	PV input ratings	
	Vmax. PV:	580Vdc
	DC Nominal Voltage:	360Vdc
	Vdc MPPT:	120V-500Vdc
	Pdc max:	5200W
	Isc (max.) PV:	16Adc
	AC output ratings	
	Voltage (nominal):	220/230/240Vac
	Current (maximum continuous):	25Aac
	Frequency (nominal):	50/60Hz
	Power (nominal continuous):	5000W
	Power (maximum continuous):	5000W
	Power Factor (Full load):	>0.99
Temperature: -25°C-60°C		
Protective Class: I		
Overvoltage Category: II (DC), III (AC)		
Ingress protection: IP65		
IEC62109-1/2 IEC61000-6-2/3 VDE0126-1-1/A1 GB3/2 GB3/3 EN50438 UTE C15-712-1 C10/11 AS4777.2 AS4777.3 AS3100 IEC62116 IEC61727 PEA/MEA		



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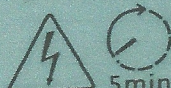
Guangzhou Sanjing Electric Co., Ltd.

Tel: (+86)20-66608816 Fax: (+86)20-66608589

Web: www.saj-solar.com E-mail: service@saj-solar.com

Type: Sununo-TL5K

	PV input ratings	
	Vmax. PV:	580Vdc
	DC Nominal Voltage:	360Vdc
	Vdc MPPT:	120V-500Vdc
	Pdc max..	5200W
	Isc (max.) PV:	16Ade
	AC output ratings	
	Voltage (nominal)	220/230/240Vac
	Current (maximum continuous)	25Aac
	Frequency (nominal)	50/60Hz
	Power (nominal continuous)	5000W
	Power (maximum continuous)	5000W
	Power Factor (Full load)	>0.99
Temperature: -25°C~60°C		
Protective Class: I		
Overvoltage Category: II (DC), III (AC)		
Ingress protection: IP65		
IEC62109-1/2 IEC61000-6-2/3		
VDE0126-1-1/A1 G83/2 G59/3		
EN50438 UTE C15-712-1 C10/11		
AS4777.2 AS4777.3 AS3100		
IEC62116 IEC61727 PEA/MEA		



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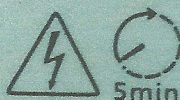
Foto 6.2.7

SAJ
Solar Inverter

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Tel: (+86)20-66508618 Fax: (+86)20-66508599
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Type: Sununo-TL5K

	PV input ratings	
	Vmax. PV:	580Vdc
	DC Nominal Voltage:	360Vdc
	Vdc MPPT:	120V-500Vdc
	Pdc max..	5200W
	Isc (max.) PV:	16Adc
	AC output ratings	
	Voltage (nominal)	220/230/240Vac
	Current (maximum continuous)	25Aac
	Frequency (nominal)	50/60Hz
	Power (nominal continuous)	5000W
	Power (maximum continuous)	5000W
	Power Factor (Full load)	>0.99
	Temperature: -25°C~60°C	
	Protective Class: I	
	Overvoltage Category: II (DC), III (AC)	
	Ingress protection: IP65	
	IEC62109-1/2 IEC61000-6-2/3	
	VDE0126-1-1/A1 G83/2 G59/3	
	EN50438 UTE C15-712-1 C10/11	
	AS4777.2 AS4777.3 AS3100	
	IEC62116 IEC61727 PEA/MEA	



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Web: www.saj-solar.com E-mail: service@saj-solar.com

Type: Sununo-TL5K

	PV input ratings	
	Vmax. PV:	580V
	DC Nominal Voltage:	360Vdc
	Vdc MPPT:	120V-500Vdc
	Pdc max..	5200W
	Isc (max.) PV:	16Adc
	AC output ratings	
	Voltage (nominal)	220/230/240Vac
	Current (maximum continuous)	25Aac
	Frequency (nominal)	50/60Hz
	Power (nominal continuous)	5000W
	Power (maximum continuous)	5000W
	Power Factor (Full load)	>0.99
Temperature: -25°C-60°C		
Protective Class: I		
Overvoltage Category: II (DC), III (AC)		
Ingress protection: IP65		
IEC62109-1/2 IEC61000-6-2/3		
VDE0126-1-1/A1 G83/2 G59/3		
EN50438 UTE C15-712-1 C10/11		
AS4777.2 AS4777.3 AS3100		
IEC62116 IEC61727 PEA/MEA		



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Type: Sununo-TL5K

	PV input ratings	
	Vmax. PV:	580Vdc
	DC Nominal Voltage:	360Vdc
	Vdc MPPT:	120V-500Vdc
	Pdc max.:	5200W
	Isc (max.) PV:	16Adc
	AC output ratings	
	Voltage (nominal)	220/230/240Vac
	Current (maximum continuous)	25Aac
	Frequency (nominal)	50/60Hz
	Power (nominal continuous)	5000W
	Power (maximum continuous)	5000W
	Power Factor (Full load)	>0.99
	Temperature: -25°C-60°C	
	Protective Class: I	
	Overvoltage Category: II (DC), III (AC)	
	Ingress protection: IP65	
	IEC62109-1/2 IEC61000-6-2/3	
	VDE0126-1-1/A1 G83/2 G59/3	
	EN50438 UTE C15-712-1 C10/11	
	AS4777.2 AS4777.3 AS3100	
	IEC62116 IEC61727 PEA/MEA	



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