



Certificate of Conformity

Product certificate number:

No. 2621/0029-C-CER/E1

SUN-6K-SG04LP1-EU 6000 230 50

Issued to:

Holder:

Madala

NingBo Deye Inverter Technology Co., Ltd.

No. 26 South YongJiang Road, Daqi, Beilun, NingBo, China

Trademark:

Deye Tech. Group

Deye 德業

Manufacturer:

NingBo Deye Inverter Technology Co., Ltd.

No. 26 South YongJiang Road, Daqi, Beilun, NingBo, China

VIC MILE

It is certified that the product:

Type of generating unit:

Hybrid Inverter

Isolation Transformer

woders:		SG04LP1- 24-EU	SG04LP1- EU	SG04LP1- EU	SG04LP1- EU	
Technical Data:	Nominal power [kW]	3000	3000	3600	5000	
	Nominal voltage [V]	230	230	230	230	
	Nominal frequency [Hz]]	50	50	50	50	
	Firmware version		Commu	ware version: ' nication version dware version:	on: Verc339	
	Number of phases			Single Phas	e	

Is in compliance with the standard:

IEC 61683:1999.

Photovoltaic systems. Power conditioners. Procedure for measuring efficiency.

This certificate is based upon the test results of the Test Report no GZES211002949103-02

The above-mentioned generating unit is certified according to the SGS internal procedure PE.T-ECPE-33 based on the requirements of the UNE-EN ISO / IEC 17065.

This certificate supersedes the certificate 2622/0029-C-CER First issued on 09th March 2022
This certificate is valid until 09th March 2027

Madrid, 04th April 2022

Daniel Arranz Muñiz Certification Manager

CLINI 2 CV

No

CLINI EV





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No. 2622/0029-C-CER/E1

Page 1 of 5



Summary efficiency results measured for the tested models:

These efficiency results are representatives for the referred models with a testing frequency of 50Hz.

Power conditioner type - Grid Connected

UN-3K-SG04LP1-24-EU									
Test condition 10%Sn 25%Sn 50%Sn 75%Sn 100%Sn									
Minimum rated input voltage (1)	96.3%	97.6%	97.7%	97.6%	97.0%				
Nominal input voltage (2)	96.3%	97.5%	97.7%	97.5%	97.1%				
90% of the maximum rated input voltage (3)	97.0%	97.7%	97.7%	97.3%	96.9%				

⁽¹⁾ 300 V; ⁽²⁾ 370 V; ⁽³⁾ 382.5 V

SUN-3K-SG04LP1-EU										
Test condition 10%Sn 25%Sn 50%Sn 75%Sn 100%Sn 25%Sn 25%S										
Minimum rated input voltage (1)	96.3%	97.6%	97.7%	97.6%	97.0%					
Nominal input voltage (2)	96.3%	97.5%	97.7%	97.5%	97.1%					
90% of the maximum rated input voltage (3)	97.0%	97.7%	97.7%	97.3%	96.9%					

(1) 300 V; (2) 370 V; (3) 382.5 V

SUN-3.6K-SG04LP1-EU										
Test condition 10%Sn 25%Sn 50%Sn 75%Sn 100%Sn										
Minimum rated input voltage (1)	96.4%	97.4%	97.7%	97.5%	97.0%					
Nominal input voltage (2)	96.5%	97.5%	97.6%	97.2%	96.9%					
90% of the maximum rated input voltage (3)	96.5%	97.6%	97.7%	97.3%	96.9%					

(1) 300 V; (2) 370 V; (3) 382.5 V

SUN-5K-SG04LP1-EU									
Test condition 10%Sn 25%Sn 50%Sn 75%Sn 100%Sn									
Minimum rated input voltage (1)	96.8%	97.5%	97.7%	97.4%	96.8%				
Nominal input voltage (2)	96.4%	97.6%	97.8%	97.3%	96.9%				
90% of the maximum rated input voltage (3)	96.5%	97.5%	97.6%	97.2%	96.9%				

(1) 300 V; (2) 370 V; (3) 382.5 V

SUN-6K-SG04LP1-EU										
Test condition 10%Sn 25%Sn 50%Sn 75%Sn 100%Sn										
Minimum rated input voltage (1)	96.5%	97.6%	97.7%	97.3%	96.9%					
Nominal input voltage (2)	96.3%	97.6%	97.7%	97.3%	96.9%					
90% of the maximum rated input voltage (3)	96.5%	97.6%	97.6%	97.3%	96.9%					

(1) 300 V; (2) 370 V; (3) 382.5 V







Power conditioner type - Stand Alone

		UN-3K-S	G04LP1-2	24-EU				
Test condition			5%Sn	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
	Resistive load		94.3%	96.4%	97.8%	97.8%	97.6%	97.1%
		0.25 or minimum	999-LEE	Goins County	87.6%	89.2%		91.5%
Minimum	Fixed power factor	0.50(>minimum)	III CECECO	2650 - 7710	89.3%	91.6%		92.1%
rated input		0.75(>minimum)			89.1%	91.0%		91.7%
voltage (1)	Man Carraland	25% of rated VA		CHIRDSON SCHOOL	95.0%	92.9%		93.5%
	Non-linear load	50% of rated VA			0.000.000.000.000.000.000.000.000.000.	96.9%	W	95.0%
	Complex load		HORGE-SALE		12505(363535) 12505(3635)	91.4%		96.2%
	Resistive load		94.5%	96.3%	97.6%	97.7%	97.5%	97.1%
	Fixed power factor	0.25 or minimum	GEORGE IN SON	50305T0000	87.9%	90.5%		91.1%
		0.50(>minimum)	A SECTION ASSESSED.	190503 03 05050	90.3%	90.3%		90.3%
Nominal input voltage (2)		0.75(>minimum)	Hetplesens		89.4%	89.9%		92.1%
voltage (*)	Non-linear load	25% of rated VA		SUSCUE ROSES	94.1%	95.2%		93.4%
		50% of rated VA	14010301010101	19636350365030 1963635503650	6565	96.9%		94.9%
	Complex load					91.8%		94.4%
	Resistive load		94.3%	96.3%	97.6%	97.7%	97.5%	97.0%
2004 641		0.25 or minimum			88.5%	90.5%	311 - -013	92.0%
90% of the	Fixed power factor	0.50(>minimum)	HONOLOGGE	3650 G-05656 VI	90.0%	91.6%		92.0%
maximum		0.75(>minimum)	HOSO SESSONS	SOUTH TO THE	88.6%	89.5%	/00	90.9%
rated input voltage (3)	Nies Connectional	25% of rated VA	1930 -4 3646	BUSINESS SEE	94.1%	95.4%		93.8%
	Non-linear load	50% of rated VA	I TO SO E A SUCCES	and like the same	ğ	96.9%	201	94.9%
	Complex load		46650 <u>14</u> 6030	**************************************	6500 L	91.3%	27-	95.6%

⁽¹⁾ 300 V; ⁽²⁾ 370 V; ⁽³⁾ 382.5 V

		SUN-3K-	SG04LP1	-EU				
Test condition			5%Sn	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
	Resistive load	ESCHALLES DE LA COMPANIE DE LA COMPA	94.3%	96.4%	97.8%	97.8%	97.6%	97.1%
	Sinangasasasasasan nagasasasa	0.25 or minimum	SELECTION OF THE PARTY OF THE P	DOSESTE COSCOO	87.6%	89.2%		91.5%
Minimum	Fixed power factor	0.50(>minimum)	4000-000	Statis <u>es</u> enso	89.3%	91.6%	- CDS	92.1%
rated input	503630303GSC 3030303GSGSGSG	0.75(>minimum)	5030 = 0.00	SCHOOL TO SERVE	89.1%	91.0%	GSGS(I)	91.7%
voltage (1)	Non linear lead	25% of rated VA		Scales - Essara	95.0%	92.9%	100-005-	93.5%
	Non-linear load	50% of rated VA		\$4551 <u>2-</u> 05630	03037	96.9%	<u></u>	95.0%
	Complex load		-	installantia	656:	91.4%		96.2%
	Resistive load		94.5%	96.3%	97.6%	97.7%	97.5%	97.1%
	65010	0.25 or minimum		VESOS PECSONO	87.9%	90.5%		91.1%
	Fixed power factor	0.50(>minimum)		Súsus co ncuso	90.3%	90.3%		90.3%
Nominal input		0.75(>minimum)	-	\$507 2 05350	89.4%	89.9%		92.1%
voltage (2)	Non-linear load	25% of rated VA		\$6505 <u>+</u> 265050	94.1%	95.2%		93.4%
		50% of rated VA		56365 <u>44</u> 05010	05050=	96.9%		94.9%
	Complex load	Complex load		96595 4 - C1050	65656=E	91.8%		94.4%
	Resistive load	TOTAL STREET,	94.3%	96.3%	97.6%	97.7%	97.5%	97.0%
000/ //		0.25 or minimum		36061 (5658	88.5%	90.5%		92.0%
90% of the	Fixed power factor	0.50(>minimum)	SOLD TO SEE	36365==05636	90.0%	91.6%	<u>-</u>	92.0%
maximum		0.75(>minimum)	1000	36565 4- 75636	88.6%	89.5%		90.9%
rated input voltage (3)	Non-linear load	25% of rated VA	16365	\$6965 -1 65656	94.1%	95.4%		93.8%
		50% of rated VA	SUSCENSION OF THE	SGSUS - S USCIAL	65650 50 57.509	96.9%		94.9%
	Complex load		TO SERVICE	\$68(15 -5),1232	0.000005005000000000000000000000000000	91.3%		95.6%

⁽¹⁾ 300 V; ⁽²⁾ 370 V; ⁽³⁾ 382.5 V





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		SUN-3.6	(-SG04LP	1-EU				
Test condition			5%Sn	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
	Resistive load		94.6%	96.7%	97.3%	97.7%	97.5%	97.1%
		0.25 or minimum	GEORGE TOWN	SUSCILIERS V	97.1%	96.2%		94.2%
Minimum	Fixed power factor	0.50(>minimum)	TVS (== South	THE SHIP	94.3%	95.1%		94.2%
rated input		0.75(>minimum)	GGCGC GG GCCC	AGGGGGGGG	94.6%	95.5%	-	94.6%
voltage (1)	Non linear lead	25% of rated VA			94.1%	95.6%		94.2%
	Non-linear load	50% of rated VA		CONTRACTOR OF THE PERSON NAMED IN COLUMN 1	ansast a a nsasta	97.0%		95.0%
	Complex load		01030-000	- HOLLES		91.5%		94.7%
	Resistive load		94.6%	96.5%	97.4%	97.7%	97.7%	97.2%
	Fixed power factor	0.25 or minimum		30501 <u>-1</u> 65650	97.1%	96.4%		94.4%
Niamain all inners		0.50(>minimum)		ARESOS <u>IN</u> ECENSIS	95.1%	95.5%	1100/ <u>11</u> 0000	94.7%
Nominal input		0.75(>minimum)		Medi <u>ra</u> stanist	94.6%	95.2%		94.0%
voltage (2)	Non-linear load	25% of rated VA		GEOGRAFIA	94.2%	95.0%		93.8%
		50% of rated VA		46303 <u>11</u> 03091	4348	96.8%		94.9%
	Complex load	CONTRACTOR OF THE PARTY OF THE		90501-101050	980	91.2%	- n	95.7%
	Resistive load	Stolen Session	94.5%	96.7%	97.1%	97.7%	97.6%	97.2%
000/ //	SAME USE IN THE SERVICE OF THE	0.25 or minimum		205012-03651	97.1%	96.2%		94.7%
90% of the	Fixed power factor	0.50(>minimum)	110x030x030x0	deserricison	97.1%	96.2%	1	94.7%
maximum		0.75(>minimum)			94.6%	95.5%		95.0%
rated input voltage (3)	New linear lead	25% of rated VA		\$0505 <u>-</u> 2550E5	94.2%	95.2%	I	94.0%
voltage (9)	Non-linear load	50% of rated VA		4950122 6550	55	96.9%		95.0%
	Complex load	444600	16650 1	Session of the sessio	65/31	91.5%		95.3%

(1) 300 V; (2) 370 V; (3) 382.5 V

		SUN-5K-	SG04LP1	-EU				
Test condition		5%Sn	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn	
	Resistive load		95.2%	97.3%	97.7%	97.7%	97.5%	97.2%
	SUPERIORISM MINISTER CO.	0.25 or minimum		100001 -0 05101	88.4%	89.3%	·	90.4%
Minimum	Fixed power factor	0.50(>minimum)	in the second	State State	89.5%	91.0%	513	91.3%
rated input	50505050505050505050505050505050505050	0.75(>minimum)	de ve cana	\$0.505 - 1 75.556	90.2%	91.0%	5550-	93.0%
voltage (1)	Non-linear load	25% of rated VA		\$450J.=-;30X0	89.8%	91.9%	1000	94.0%
	Non-linear load	50% of rated VA			03037	97.0%		94.9%
	Complex load				6565 <u>-</u>	91.7%	U (01-	95.1%
	Resistive load		94.5%	96.4%	97.7%	97.7%	97.4%	97.0%
	Fixed power factor	0.25 or minimum			90.4%	90.9%		93.0%
		0.50(>minimum)	3664 <u>42</u> 60108	SUSCILIENCES	91.0%	91.9%		92.5%
Nominal input		0.75(>minimum)	1002266	165015555050 16501555555	90.7%	91.5%		93.2%
voltage (2)	Non-linear load	25% of rated VA			89.9%	91.0%	-11	93.0%
		50% of rated VA	9000 <u>0</u> 0000	###\$\$#\$\$#\$\$# \$6363#\$#\$####	ASSESSED TO THE PROPERTY OF TH	96.8%		94.8%
	Complex load	PARTICIPATION OF THE PROPERTY	96869240150	HOUSE TENENTS	43659 <u>54</u>	92.1%		95.3%
	Resistive load		94.4%	96.7%	97.4%	97.7%	97.6%	97.2%
000/ //		0.25 or minimum	1030	SGOGUASUSCE	91.1%	91.6%		92.6%
90% of the	Fixed power factor	0.50(>minimum)	1030-2025	3650 5 Tree or	89.3%	91.1%		91.6%
maximum		0.75(>minimum)	1010-2016	Sittlescycle en 565036 intento	91.8%	92.2%		93.2%
rated input	Non-linear load	25% of rated VA	386-2016	ambasasasasa Sasasasasa	89.9%	91.0%		93.0%
voltage (3)		50% of rated VA	4690 <u>000</u> 00000	PONGSESONOSO SCHOOL STORY	05650 <u>54</u> 96569	96.9%		94.9%
	Complex load		FOXER POLICE	30.00 30.00 30.00 M	escen <u>c</u> arens	92.2%		95.0%

(1) 300 V; (2) 370 V; (3) 382.5 V





		SUN-6K	-SG04LP1	-EU				
Test condition			5%Sn	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
	Resistive load		94.9%	96.6%	97.7%	97.7%	97.6%	97.2%
		0.25 or minimum	A		91.9%	92.0%		92.6%
Minimum	Fixed power factor	0.50(>minimum)			91.8%	92.6%		93.7%
rated input		0.75(>minimum)			92.2%	93.2%		94.1%
voltage (1)	Non linear lead	25% of rated VA		_	95.2%	97.4%		95.6%
	Non-linear load	50% of rated VA	Olyano-inski	GEORGE STAN	0169/2250519	97.0%		95.1%
	Complex load			HOUSE EVEN SE	o no v <u>a</u> dicina	91.9%		95.6%
	Resistive load		94.5%	96.4%	97.6%	97.7%	97.6%	97.0%
	Fixed power factor	0.25 or minimum	THE COLUMN	SENSE LONG SON	91.0%	93.2%		93.4%
		0.50(>minimum)	GAOSC - COLOR	ASSESSMENT OF THE PARTY OF THE	92.3%	93.1%	150 E 150	93.2%
Nominal input		0.75(>minimum)	GEGGG-ELLE	POSES <u>C</u> ESSON	92.5%	93.8%	- 12	94.1%
voltage (2)	Non-linear load	25% of rated VA	GEOGRAPHICA	aasas <u>a</u> sasasa	95.1%	96.4%		95.3%
		50% of rated VA	64030=6500h	SUSCE <u>L</u> eases	6565/	96.9%		95.0%
	Complex load		Option - The Co	35505 <u>0</u> 503450	6361	92.3%	100	94.9%
	Resistive load		94.6%	96.6%	97.6%	97.7%	97.6%	97.1%
		0.25 or minimum	HOSO - CERCO	Seed and the seed of the seed	92.4%	88.8%		90.6%
90% of the	Fixed power factor	0.50(>minimum)		SUSCE L LUSCO	91.7%	92.5%		93.1%
maximum		0.75(>minimum)	65030-0363	465030,0368	92.1%	93.3%		93.4%
rated input voltage (3)	Non-linear load	25% of rated VA	19636 5	\$6563 <u>44</u> 013056	95.4%	96.3%	Ind.	95.3%
		50% of rated VA		System et de la compa	65	96.9%		95.0%
	Complex load	GSCT - 5450505050			63	92.2%		95.1%

(1) 300 V; (2) 370 V; (3) 382.5 V





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