

# Certificate of Conformity

Product certificate number:

No. 2621/0029-C-CER/E1

Issued to:

Holder:

**Cellcron Technologies Pvt. Ltd.**  
Daniyalpur Chowk, Airport Road, Karnal, Haryana, India (132001)



Trademark:

 **CELLCRONIC**

Manufacturer:

**Cellcron Technologies Pvt. Ltd.**  
Daniyalpur Chowk, Airport Road, Karnal, Haryana, India (132001)

It is certified that the product:

Type of generating unit: Hybrid Inverter

Models:

Galaxy 6G EU 3kw 24v	Galaxy 6G EU 3kw 48v	Galaxy 6G EU 3.6kw 48v	Galaxy 6G EU 5kw 48v	Galaxy 6G EU 6kw 48v
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Technical Data:

Nominal power [kW]	3000	3000	3600	5000	6000
Nominal voltage [V]	230	230	230	230	230
Nominal frequency [Hz]	50	50	50	50	50

Firmware version

Software version: Ver5980  
Communication version: Verc339  
Hardware version: Ver1.0

Number of phases

Single Phase

Isolation Transformer

No

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 n° 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 09<sup>th</sup> March 2022

This certificate is valid until 09<sup>th</sup> March 2027

Madrid, 04<sup>th</sup> April 2022



Daniel Arranz Muñoz  
Certification Manager



### 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

Galaxy 6G EU 3kw-24v					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage <sup>(1)</sup>	96.3%	97.6%	97.7%	97.6%	97.0%
Nominal input voltage <sup>(2)</sup>	96.3%	97.5%	97.7%	97.5%	97.1%
90% of the maximum rated input voltage <sup>(3)</sup>	97.0%	97.7%	97.7%	97.3%	96.9%

<sup>(1)</sup> 300 V; <sup>(2)</sup>370 V; <sup>(3)</sup>382.5 V

Galaxy 6G EU 3kw-48v					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage <sup>(1)</sup>	96.3%	97.6%	97.7%	97.6%	97.0%
Nominal input voltage <sup>(2)</sup>	96.3%	97.5%	97.7%	97.5%	97.1%
90% of the maximum rated input voltage <sup>(3)</sup>	97.0%	97.7%	97.7%	97.3%	96.9%

<sup>(1)</sup> 300 V; <sup>(2)</sup>370 V; <sup>(3)</sup>382.5 V

Galaxy 6G EU 3.6kw-48v					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage <sup>(1)</sup>	96.4%	97.4%	97.7%	97.5%	97.0%
Nominal input voltage <sup>(2)</sup>	96.5%	97.5%	97.6%	97.2%	96.9%
90% of the maximum rated input voltage <sup>(3)</sup>	96.5%	97.6%	97.7%	97.3%	96.9%

<sup>(1)</sup> 300 V; <sup>(2)</sup>370 V; <sup>(3)</sup>382.5 V

Galaxy 6G EU 5kw-48v					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage <sup>(1)</sup>	96.8%	97.5%	97.7%	97.4%	96.8%
Nominal input voltage <sup>(2)</sup>	96.4%	97.6%	97.8%	97.3%	96.9%
90% of the maximum rated input voltage <sup>(3)</sup>	96.5%	97.5%	97.6%	97.2%	96.9%

<sup>(1)</sup> 300 V; <sup>(2)</sup>370 V; <sup>(3)</sup>382.5 V

Galaxy 6G EU 6kw-48v					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage <sup>(1)</sup>	96.5%	97.6%	97.7%	97.3%	96.9%
Nominal input voltage <sup>(2)</sup>	96.3%	97.6%	97.7%	97.3%	96.9%
90% of the maximum rated input voltage <sup>(3)</sup>	96.5%	97.6%	97.6%	97.3%	96.9%

<sup>(1)</sup> 300 V; <sup>(2)</sup>370 V; <sup>(3)</sup>382.5 V



Power conditioner type – Stand Alone

Galaxy 6G EU 3kw-24v								
Test condition			5%Sn	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage <sup>(1)</sup>	Resistive load		94.3%	96.4%	97.8%	97.8%	97.6%	97.1%
	Fixed power factor	0.25 or minimum	--	--	87.6%	89.2%	--	91.5%
		0.50(>minimum)	--	--	89.3%	91.6%	--	92.1%
		0.75(>minimum)	--	--	89.1%	91.0%	--	91.7%
	Non-linear load	25% of rated VA	--	--	95.0%	92.9%	--	93.5%
		50% of rated VA	--	--	--	96.9%	--	95.0%
Complex load		--	--	--	91.4%	--	96.2%	
Nominal input voltage <sup>(2)</sup>	Resistive load		94.5%	96.3%	97.6%	97.7%	97.5%	97.1%
	Fixed power factor	0.25 or minimum	--	--	87.9%	90.5%	--	91.1%
		0.50(>minimum)	--	--	90.3%	90.3%	--	90.3%
		0.75(>minimum)	--	--	89.4%	89.9%	--	92.1%
	Non-linear load	25% of rated VA	--	--	94.1%	95.2%	--	93.4%
		50% of rated VA	--	--	--	96.9%	--	94.9%
Complex load		--	--	--	91.8%	--	94.4%	
90% of the maximum rated input voltage <sup>(3)</sup>	Resistive load		94.3%	96.3%	97.6%	97.7%	97.5%	97.0%
	Fixed power factor	0.25 or minimum	--	--	88.5%	90.5%	--	92.0%
		0.50(>minimum)	--	--	90.0%	91.6%	--	92.0%
		0.75(>minimum)	--	--	88.6%	89.5%	--	90.9%
	Non-linear load	25% of rated VA	--	--	94.1%	95.4%	--	93.8%
		50% of rated VA	--	--	--	96.9%	--	94.9%
Complex load		--	--	--	91.3%	--	95.6%	

<sup>(1)</sup> 300 V; <sup>(2)</sup>370 V; <sup>(3)</sup>382.5 V

Galaxy 6G EU 3kw-48v								
Test condition			5%Sn	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage <sup>(1)</sup>	Resistive load		94.3%	96.4%	97.8%	97.8%	97.6%	97.1%
	Fixed power factor	0.25 or minimum	--	--	87.6%	89.2%	--	91.5%
		0.50(>minimum)	--	--	89.3%	91.6%	--	92.1%
		0.75(>minimum)	--	--	89.1%	91.0%	--	91.7%
	Non-linear load	25% of rated VA	--	--	95.0%	92.9%	--	93.5%
		50% of rated VA	--	--	--	96.9%	--	95.0%
Complex load		--	--	--	91.4%	--	96.2%	
Nominal input voltage <sup>(2)</sup>	Resistive load		94.5%	96.3%	97.6%	97.7%	97.5%	97.1%
	Fixed power factor	0.25 or minimum	--	--	87.9%	90.5%	--	91.1%
		0.50(>minimum)	--	--	90.3%	90.3%	--	90.3%
		0.75(>minimum)	--	--	89.4%	89.9%	--	92.1%
	Non-linear load	25% of rated VA	--	--	94.1%	95.2%	--	93.4%
		50% of rated VA	--	--	--	96.9%	--	94.9%
Complex load		--	--	--	91.8%	--	94.4%	
90% of the maximum rated input voltage <sup>(3)</sup>	Resistive load		94.3%	96.3%	97.6%	97.7%	97.5%	97.0%
	Fixed power factor	0.25 or minimum	--	--	88.5%	90.5%	--	92.0%
		0.50(>minimum)	--	--	90.0%	91.6%	--	92.0%
		0.75(>minimum)	--	--	88.6%	89.5%	--	90.9%
	Non-linear load	25% of rated VA	--	--	94.1%	95.4%	--	93.8%
		50% of rated VA	--	--	--	96.9%	--	94.9%
Complex load		--	--	--	91.3%	--	95.6%	

<sup>(1)</sup> 300 V; <sup>(2)</sup>370 V; <sup>(3)</sup>382.5 V



Galaxy 6G EU 3.6kw-48v								
Test condition			5%Sn	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage <sup>(1)</sup>	Resistive load		94.6%	96.7%	97.3%	97.7%	97.5%	97.1%
	Fixed power factor	0.25 or minimum	--	--	97.1%	96.2%	--	94.2%
		0.50(>minimum)	--	--	94.3%	95.1%	--	94.2%
		0.75(>minimum)	--	--	94.6%	95.5%	--	94.6%
	Non-linear load	25% of rated VA	--	--	94.1%	95.6%	--	94.2%
		50% of rated VA	--	--	--	97.0%	--	95.0%
Complex load		--	--	--	91.5%	--	94.7%	
Nominal input voltage <sup>(2)</sup>	Resistive load		94.6%	96.5%	97.4%	97.7%	97.7%	97.2%
	Fixed power factor	0.25 or minimum	--	--	97.1%	96.4%	--	94.4%
		0.50(>minimum)	--	--	95.1%	95.5%	--	94.7%
		0.75(>minimum)	--	--	94.6%	95.2%	--	94.0%
	Non-linear load	25% of rated VA	--	--	94.2%	95.0%	--	93.8%
		50% of rated VA	--	--	--	96.8%	--	94.9%
Complex load		--	--	--	91.2%	--	95.7%	
90% of the maximum rated input voltage <sup>(3)</sup>	Resistive load		94.5%	96.7%	97.1%	97.7%	97.6%	97.2%
	Fixed power factor	0.25 or minimum	--	--	97.1%	96.2%	--	94.7%
		0.50(>minimum)	--	--	97.1%	96.2%	--	94.7%
		0.75(>minimum)	--	--	94.6%	95.5%	--	95.0%
	Non-linear load	25% of rated VA	--	--	94.2%	95.2%	--	94.0%
		50% of rated VA	--	--	--	96.9%	--	95.0%
Complex load		--	--	--	91.5%	--	95.3%	

<sup>(1)</sup> 300 V; <sup>(2)</sup>370 V; <sup>(3)</sup>382.5 V

Galaxy 6G EU 5kw-48v								
Test condition			5%Sn	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage <sup>(1)</sup>	Resistive load		95.2%	97.3%	97.7%	97.7%	97.5%	97.2%
	Fixed power factor	0.25 or minimum	--	--	88.4%	89.3%	--	90.4%
		0.50(>minimum)	--	--	89.5%	91.0%	--	91.3%
		0.75(>minimum)	--	--	90.2%	91.0%	--	93.0%
	Non-linear load	25% of rated VA	--	--	89.8%	91.9%	--	94.0%
		50% of rated VA	--	--	--	97.0%	--	94.9%
Complex load		--	--	--	91.7%	--	95.1%	
Nominal input voltage <sup>(2)</sup>	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)	--	--	91.0%	91.9%	--	92.5%
		0.75(>minimum)	--	--	90.7%	91.5%	--	93.2%
	Non-linear load	25% of rated VA	--	--	89.9%	91.0%	--	93.0%
		50% of rated VA	--	--	--	96.8%	--	94.8%
Complex load		--	--	--	92.1%	--	95.3%	
90% of the maximum rated input voltage <sup>(3)</sup>	Resistive load		94.4%	96.7%	97.4%	97.7%	97.6%	97.2%
	Fixed power factor	0.25 or minimum	--	--	91.1%	91.6%	--	92.6%
		0.50(>minimum)	--	--	89.3%	91.1%	--	91.6%
		0.75(>minimum)	--	--	91.8%	92.2%	--	93.2%
	Non-linear load	25% of rated VA	--	--	89.9%	91.0%	--	93.0%
		50% of rated VA	--	--	--	96.9%	--	94.9%
Complex load		--	--	--	92.2%	--	95.0%	

<sup>(1)</sup> 300 V; <sup>(2)</sup>370 V; <sup>(3)</sup>382.5 V



Galaxy 6G EU 6kw-48v								
Test condition		5%Sn	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn	
Minimum rated input voltage <sup>(1)</sup>	Resistive load	94.9%	96.6%	97.7%	97.7%	97.6%	97.2%	
	Fixed power factor	0.25 or minimum	--	--	91.9%	92.0%	--	92.6%
		0.50(>minimum)	--	--	91.8%	92.6%	--	93.7%
		0.75(>minimum)	--	--	92.2%	93.2%	--	94.1%
	Non-linear load	25% of rated VA	--	--	95.2%	97.4%	--	95.6%
		50% of rated VA	--	--	--	97.0%	--	95.1%
Complex load		--	--	--	91.9%	--	95.6%	
Nominal input voltage <sup>(2)</sup>	Resistive load	94.5%	96.4%	97.6%	97.7%	97.6%	97.0%	
	Fixed power factor	0.25 or minimum	--	--	91.0%	93.2%	--	93.4%
		0.50(>minimum)	--	--	92.3%	93.1%	--	93.2%
		0.75(>minimum)	--	--	92.5%	93.8%	--	94.1%
	Non-linear load	25% of rated VA	--	--	95.1%	96.4%	--	95.3%
		50% of rated VA	--	--	--	96.9%	--	95.0%
Complex load		--	--	--	92.3%	--	94.9%	
90% of the maximum rated input voltage <sup>(3)</sup>	Resistive load	94.6%	96.6%	97.6%	97.7%	97.6%	97.1%	
	Fixed power factor	0.25 or minimum	--	--	92.4%	88.8%	--	90.6%
		0.50(>minimum)	--	--	91.7%	92.5%	--	93.1%
		0.75(>minimum)	--	--	92.1%	93.3%	--	93.4%
	Non-linear load	25% of rated VA	--	--	95.4%	96.3%	--	95.3%
		50% of rated VA	--	--	--	96.9%	--	95.0%
Complex load		--	--	--	92.2%	--	95.1%	

<sup>(1)</sup> 300 V; <sup>(2)</sup> 370 V; <sup>(3)</sup> 382.5 V

