



Ginlong Technologies Co., Ltd.
No.57 Jintong Road,
Binhai Industrial Park – Xiangshan
Ningbo – Zhejiang Province, 315712 – P.R. China
Tel: (+86) 574 6580 2188 – info@ginlong.com

Dichiarazione di conformità alle prescrizioni della Norma CEI 0-16
Declaration of conformity to the requirements of the standard CEI 0-16

COSTRUTTORE: MANUFACTURER	MODELLO DI INVERTER: INVERTER MODEL	VERSIONE FIRMWARE: FIRMWARE VERSION:	NUMERO DI FASI (monofase/trifase) NUMBER OF PHASE (single/triphas)	POTENZA NOMINALE DI CARICA/SCARICA: CHARGE/DISCHARGE NOMINAL POWER Psn/Pcn [W]	POTENZA MASSIMA DI CARICA/SCARICA: CHARGE/DISCHARGE E MAX POWER Psm/Pcm [W]	CORRENTE MASSIMA DI CARICA/SCARICA: CHARGE/DISCHARGE MAX CURRENT [A]
Ginlong Technologies Co., Ltd. No. 57 Jintong Road, Binhai Industrial Park – Xiangshan Ningbo – Zhejiang Province, 315712 – P.R. China	S6-EH3P29.9K-H (P.norm 29.9 kW)	A2 o superior or upper	Trifase <i>Three-phase</i>	29900	29900	70 *2 (Supporting parallel 140A input)
	S6-EH3P30K-H (P.norm 30 kW)			30000	30000	70 *2 (Supporting parallel 140A input)
	S6-EH3P37.5K-H (P.norm 37.5 kW)			37500	37500	70 *2 (Supporting parallel 140A input)
	S6-EH3P40K-H (P.norm 40 kW)			40000	40000	70 *2 (Supporting parallel 140A input)
	S6-EH3P50K-H (P.norm 50 kW)			50000	50000	70 *2 (Supporting parallel 140A input)
	S6-EH3P30K-H-ND (P.norm 30 kW)	A2 o superior or upper	Trifase <i>Three-phase</i>	30000	30000	70 *2 (Supporting parallel 140A input)
	S6-EH3P40K-H-ND (P.norm 40 kW)			40000	40000	70 *2 (Supporting parallel 140A input)
	S6-EH3P50K-H-ND (P.norm 50 kW)			50000	50000	70 *2 (Supporting parallel 140A input)





Ginlong Technologies Co., Ltd.
No.57 Jintong Road,
Binhai Industrial Park – Xiangshan
Ningbo – Zhejiang Province, 315712 – P.R. China
Tel: (+86) 574 6580 2188 – info@ginlong.com

	S6-EH3P29.9K-H (21A) (P.norm 29.9 kW)	A2 o superior or upper	Trifase Three-phase	29900	29900	80 *2 (Supporting parallel 160A input)
	S6-EH3P30K-H (21A) (P.norm 30 kW)			30000	30000	80 *2 (Supporting parallel 160A input)
	S6-EH3P40K-H (21A) (P.norm 40 kW)			40000	40000	80 *2 (Supporting parallel 160A input)
	S6-EH3P50K-H (21A) (P.norm 50 kW)			50000	50000	80 *2 (Supporting parallel 160A input)
	S6-EH3P29.9K-H-ND (21A) (P.norm 29.9 kW)	A2 o superior or upper	Trifase Three-phase	29900	29900	80 *2 (Supporting parallel 160A input)
	S6-EH3P30K-H-ND (21A) (P.norm 30 kW)			30000	30000	80 *2 (Supporting parallel 160A input)
	S6-EH3P40K-H-ND (21A) (P.norm 40 kW)			40000	40000	80 *2 (Supporting parallel 160A input)
	S6-EH3P50K-H-ND (21A) (P.norm 50 kW)			50000	50000	80 *2 (Supporting parallel 160A input)

Il generatore – The generator:

✓ è idoneo per installazione in impianti con potenza inferiore o uguale a 400 kW - It is suitable for installation in systems with a power of 400 kW or less.

Il generatore – The generator:

✓ è idoneo per installazione in impianti con potenza superiore a 400 kW - It is suitable for installation in systems with a power greater than 400 kW

Gli inverter suddetti sono certificati in combinazione con una delle seguenti opzioni di batteria al Litio:

The inverters here above listed are certified according with one of the following options of Lithium Battery (See Appendix) :

Esaminati i Fascicoli Prove n° CN24NGRG 002, emessi dal laboratorio TÜV Rheinland (Shanghai) Co., Ltd.





Ginlong Technologies Co., Ltd.
No.57 Jintong Road,
Binhai Industrial Park – Xiangshan
Ningbo – Zhejiang Province, 315712 – P.R. China
Tel: (+86) 574 6580 2188 – info@ginlong.com

In conformità a quanto previsto dalla CEI 0-16; V3 del 01-2024, all'allegato Nbis 1.2 che consente l'estensione della certificazione suddetta a sistemi di accumulo appartenenti alla stessa famiglia.

In particolare:

- essendo il sottosistema di accumulo elettrochimico;
- qualificato secondo la norma CEI EN 62619;
- rimanendo invariati i perimetri di sicurezza e operativi (es. $P_{S\text{MAX}}$, $P_{C\text{MAX}}$, V , I);
- mantenendo la stessa configurazione (Tipo a – per quanto definito in fig. 5 di CEI EN 62619) che non modifica in alcun modo il contenuto del "convertitore" (Inverter) per il quale il sottosistema di accumulo è costituito da uno o più pacchi batterie collegati in parallelo, ciascuno dei quali ha un proprio BMS e moduli batterie collegati in serie.

Ai sensi degli articoli 76 del DPR 28 Dicembre 2000, n° 445, il sottoscritto Yiming Wang, in qualità di legale rappresentante di Ginlong Technologies Co., Ltd. No.57 Jintong Road, Binhai Industrial Park - Xiangshan Ningbo – Zhejiang Province, 315712 – P.R. China

dichiara

che il sistema di accumulo, combinazione degli inverter di propria costruzione con le batterie sopra menzionate, è conforme alle prescrizioni della CEI-0-16:2022-03 e CEI 0-16:V1:2022-11, CEI 0-16;V2:2023-05, CEI 0-16;V3:2024-01.

Taken into account test report No. CN24NGRG 002 issued by test TÜV Rheinland (Shanghai) Co., Ltd.

In compliance with the provisions of CEI 0-16; V3 of 01-2024, in Annex Nbis 1.2 which allows the extension of the aforementioned certification to storage systems belonging to the same family.

In particular:

- being the electrochemical storage subsystem;
- qualified according to the CEI EN 62619 standard;
- the safety and operational perimeters remaining unchanged (e.g. $P_{S\text{MAX}}$, $P_{C\text{MAX}}$, V , I);
- maintaining the same configuration (Type a - as defined in fig. 5 of CEI EN 62619) which does not modify in any way the content of the "converter" (inverter) for which the storage subsystem is made up of one or more packs batteries connected in parallel, each of which has its own BMS and battery modules connected in series.

According with the articles 76 of Italian DPR 28 December 2000, n° 445, the undersigned Yiming Wang, as legal representative of Ginlong Technologies Co., Ltd. No.57 Jintong Road, Binhai Industrial Park – Xiangshan Ningbo – Zhejiang Province, 315712 – P.R. China, herewith

Declare

that the storage system, combination of hybrid inverters manufactured by us with the batteries here above listed, is compliant with the requirements of CEI-0-16:2022-03 e CEI 0-16:V1:2022-11, CEI 0-16;V2:2023-05, CEI 0-16;V3:2024-01.

DATA 22/01/2026
DATE 22/01/2026

FIRMA LEGALE RAPPRESENTANTE
SIGNATURE LEGAL REPRESENTATIVE





Ginlong Technologies Co., Ltd.
No.57 Jintong Road,
Binhai Industrial Park – Xiangshan
Ningbo – Zhejiang Province, 315712 – P.R. China
Tel: (+86) 574 6580 2188 – info@ginlong.com

Appendix

COSTRUTTORE: MANUFACTURER	MODELLO SOTTOSISTEMA DI ACCUMULO SUBSYSTEM STORAGE MODEL	Numero di moduli batteria per singola pila collegati in serie Number(s) of battery module for single pile series connected	Capacità del sistema di accumulo (CUS) [Wh] Storage system capacity (CUS) [Wh]
WeCo	14K3-XP (Modulo/Modul)	n da 6 a 16 <i>n from 6 to 16</i>	N⁽¹⁾ x n. di moduli batteria x 14300 <i>N⁽¹⁾ x n. of battery modules x 14300</i>
	HV BOX		
	5K3-XP-EU (Modulo/Modul)	n da 4 a 14 <i>n from 4 to 14</i>	N⁽¹⁾ x n. di moduli batteria x 5370 <i>N⁽¹⁾ x n. of battery modules x 5370</i>
	HV BOX		
	7K6X (Modulo/Modul)	n da 5 a 14 <i>n from 5 to 14</i>	N⁽¹⁾ x n. di moduli batteria x 7680 <i>N⁽¹⁾ x n. of battery modules x 7680</i>
	HV BOX		
	16K0-HV (Modulo/Modul)	n da 4 a 14 <i>n from 4 to 14</i>	N⁽¹⁾ x n. di moduli batteria x 16000 <i>N⁽¹⁾ x n. of battery modules x 16000</i>
	16K0HV-RACK-4H、16K0HV-RACK-5H 16K0HV-RACK-6H、16K0HV-RACK-7H 16K0HV-RACK-8H、16K0HV-RACK-9H 16K0HV-RACK-10H、16K0HV-RACK-11H 16K0HV-RACK-12H、16K0HV-RACK-13H 16K0HV-RACK-14H		
	16K0-HV (Modulo/Modul)		
	AKOOL 241/80K、AKOOL 241/96K AKOOL 241/113K、AKOOL 241/129K AKOOL 241/145K、AKOOL 241/161K AKOOL 241/177K、AKOOL 241/193K AKOOL 241/209K、AKOOL 241/225K		
	5K0 BATVM050A (Modulo/Modul)		
	5K0 Pro	n da 4 a 12 <i>n from 4 to 12</i>	N⁽¹⁾ x n. di moduli batteria x 5120 <i>N⁽¹⁾ x n. of battery modules x 5120</i>
	5K3 EVO (Modulo/Modul)		
	5K3-EVO S4、5K3-EVO S5 5K3-EVO S6、5K3-EVO S7 5K3-EVO S8、5K3-EVO S9 5K3-EVO S10、5K3-EVO S11 5K3-EVO S12、5K3-EVO S13 5K3-EVO S14、 HV-BOX-EVO	n da 4 a 14 <i>n from 4 to 14</i>	N⁽¹⁾ x n. di moduli batteria x 5220 <i>N⁽¹⁾ x n. of battery modules x 5220</i>
	RT-5.12-QC-A (Modulo/Modul)		
	RT 5.12-HX	n da 4 a 12 <i>n from 4 to 12</i>	N⁽¹⁾ x n. di moduli batteria x 5120 <i>N⁽¹⁾ x n. of battery modules x 5120</i>
Eenovance	CHAKRA 2.5-H Pro (Modulo/Modul)	n da 4 a 10 <i>n from 4 to 10</i>	N⁽¹⁾ x n. di moduli batteria x 2560 <i>N⁽¹⁾ x n. of battery modules x 2560</i>
	CHAKRA 2.5-HX Pro		
	OH-5K (Modulo/Modul)	n da 5 a 8 <i>n from 5 to 8</i>	N⁽¹⁾ x n. di moduli batteria x 5120 <i>N⁽¹⁾ x n. of battery modules x 5120</i>
Oliter	OHS-100		
Dyness	HV9637	n da 3 a 6	N⁽¹⁾ x n. di moduli batteria x 3552



Ginlong Technologies Co., Ltd.
No.57 Jintong Road,
Binhai Industrial Park – Xiangshan
Ningbo – Zhejiang Province, 315712 – P.R. China
Tel: (+86) 574 6580 2188 – info@ginlong.com

	(Modulo/Modul)	<i>n from 3 to 6</i>	<i>N⁽¹⁾ x n. of battery modules x 3552</i>
	Tower T10 /Tower T14 /Tower T17 /Tower T21		
	HV9640 (Modulo/Modul)	n da 3 a 6 <i>n from 3 to 6</i>	N⁽¹⁾ x n. di moduli batteria x 3840 <i>N⁽¹⁾ x n. of battery modules x 3840</i>
	Tower Pro TP11 / Tower Pro TP15 /Tower Pro TP19 /Tower Pro TP23		
	S51100 (Modulo/Modul)	n da 5 a 15 <i>n from 5 to 15</i>	N⁽¹⁾ x n. di moduli batteria x 5120 <i>N⁽¹⁾ x n. of battery modules x 5120</i>
	STACK100		
	S51100 Pro (Modulo/Modul)	n da 5 a 15 <i>n from 5 to 15</i>	N⁽¹⁾ x n. di moduli batteria x 5120 <i>N⁽¹⁾ x n. of battery modules x 5120</i>
BYD	LITE Module (Modulo/Modul)	n da 4 a 9 <i>n from 4 to 9</i>	N⁽¹⁾ x n. di moduli batteria x 7500 <i>N⁽¹⁾ x n. of battery modules x 7500</i>
	Battery Max Lite		
SUNWODA	B051100S02 (Modulo/Modul)	n da 10 a 14 <i>n from 10 to 14</i>	N⁽¹⁾ x n. di moduli batteria x 5120 <i>N⁽¹⁾ x n. of battery modules x 5120</i>
	CIESS 50/55/60/65/70		
	B051100S02 (Modulo/Modul)	n da 5 a 14 <i>n from 5 to 14</i>	N⁽¹⁾ x n. di moduli batteria x 5120 <i>N⁽¹⁾ x n. of battery modules x 5120</i>
	CIESS 25/30/35/40/45/50/55/60/65/70-R		
	B051100S02 (Modulo/Modul)	n da 5 a 14 <i>n from 5 to 14</i>	N⁽¹⁾ x n. di moduli batteria x 5120 <i>N⁽¹⁾ x n. of battery modules x 5120</i>
	CIESS 25/30/35/40/45/50/55/60/65/70-R-S		
Dongguan Lithium Valley Energy Co., Ltd.	SM52T314-01 (Modulo/Modul)	n da 2 a 4 <i>n from 2 to 4</i>	N⁽¹⁾ x n. di moduli batteria x 52249 <i>N⁽¹⁾ x n. of battery modules x 52249</i>
	SC52T02/03/04-314		
Absen	UX-5.1-HPB		
	UX-20.4-HPB/GM-20.4-HPB UX-25.6-HPB/GM-25.6-HPB UX-30.7-HPB/GM-30.7-HPB UX-35.8-HPB/GM-35.8-HPB UX-40.9-HPB/GM-40.9-HPB UX-46.0-HPB/GM-46.0-HPB UX-51.2-HPB/GM-51.2-HPB UX-56.3-HPB/GM-56.3-HPB UX-61.4-HPB/GM-61.4-HPB	n da 4 a 12 <i>n from 4 to 12</i>	N⁽¹⁾ x n. di moduli batteria x 5120 <i>N⁽¹⁾ x n. of battery modules x 5120</i>
	GM-32.1-HPB (Modulo/Modul)		
	type GM-32.1-HPB type GM-64.2-HPB type GM-96.4-HPB type GM-128.6-HPB type GM-160.7-HBP type GM-192.9-HPB type GM-225.0-HPB	n da 1 a 7 <i>n from 1 to 7</i>	N⁽¹⁾ x n. di moduli batteria x 32150 <i>N⁽¹⁾ x n. of battery modules x 32150</i>
Shoto/ Shuangdeng	P1P16S280 (Modulo/Modul)		
	SDC-C&I-A57 SDC-C&I-A71 SDC-C&I-A86 SDC-C&I-A100 SDC-C&I-A114 SDC-C&I-A129 SDC-C&I-A143 SDC-C&I-A157 SDC-C&I-A172 SDC-C&I-A186 SDC-C&I-A200	n da 4 a 14 <i>n from 4 to 14</i>	N⁽¹⁾ x n. di moduli batteria x 14336 <i>N⁽¹⁾ x n. of battery modules x 14336</i>



Ginlong Technologies Co., Ltd.
No.57 Jintong Road,
Binhai Industrial Park – Xiangshan
Ningbo – Zhejiang Province, 315712 – P.R. China
Tel: (+86) 574 6580 2188 – info@ginlong.com

	HVC051100M02 (Modulo/Modul)	n da 4 a 12 n from 4 to 12	N⁽¹⁾ x n. di moduli batteria x 5120 <i>N⁽¹⁾ x n. of battery modules x 5120</i>
	HP-SG20, HP-SG25, HP-SG30, HP-SG35, HP-SG40, HP-SG45, HP-SG50, HP-SG55, HP-SG60		
Pytes	HV48100 BMU (Modulo/Modul)	n da 5 a 13 n from 5 to 13	N⁽¹⁾ x n. di moduli batteria x 5120 <i>N⁽¹⁾ x n. of battery modules x 5120</i>
	HV48100 BMU-5 HV48100 BMU-6 HV48100 BMU-7 HV48100 BMU-8 HV48100 BMU-9 HV48100 BMU-10 HV48100 BMU-11 HV48100 BMU-12 HV48100 BMU-13 HV48100 BMU-14		
Hangzhou Vestw oods Technology Co., LTD	VE5750S (Modulo/Modul)	n da 4 a 9 n from 4 to 9	N⁽¹⁾ x n. di moduli batteria x 2880 <i>N⁽¹⁾ x n. of battery modules x 2880</i>
	V-Power Plus S4 / S5 / S6 / S7 / S8 / S9		
Ginlong Energy Storage Co., Ltd.	PACK-1P20S-314-01 (Modulo/Modul)	n da 5 a 6 n from 5 to 6	N⁽¹⁾ x n. di moduli batteria x20100 <i>N⁽¹⁾ x n. of battery modules x 20100</i>
	EverCore-100kWh EverCore-120kWh EverCore-100kWh-PRO EverCore-120kWh-PRO		
	PACK-1P16S-306-01 (Modulo/Modul)	n da 6 a 7 n from 6 to 7	N⁽¹⁾ x n. di moduli batteria x15670 <i>N⁽¹⁾ x n. of battery modules x 15670</i>
	PrimePower-94kWh PrimePower-109kWh		

(1) E' possibile installare fino a N pile in parallelo - It is allowed to install up to N piles (parallel connected)

I hereby certify,that the above is the true signature, subscribed in
my presence,of

**Mr.Yiming Wang, born on April 13,1981, with business
address at No.57 Jintong Road, Binhai Industrial Park,
Xiangshan, Ningbo, Zhejiang, 315712, China, identified
himself by submission of his valid government-issued photo
identification**

Acting on behalf of Ginlong Technologies Co., Ltd. as Chief
Executive Officer under the document

*DQ-B2328-Dichiarazione_di_conformità_CEI0-16 SOLIS
S5-EH3P(29.9-50)K-H(-H-ND)(21A)*

Grandall Law Firm (Beijing)

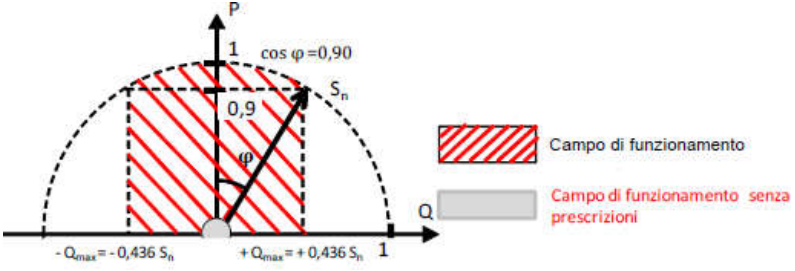
January 29, 2026



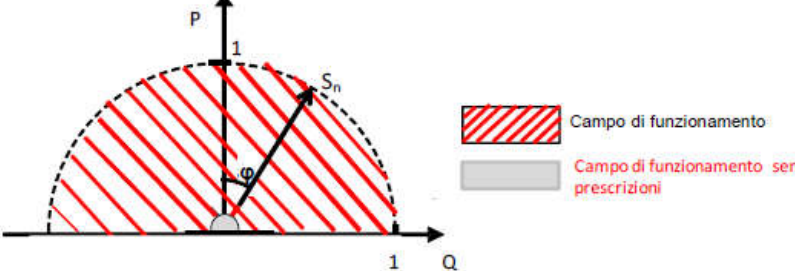
A handwritten signature in black ink, consisting of stylized Chinese characters.

N.6.1 Verifica della capability di erogazione della potenza reattiva <i>/reactive power production capability</i>	
Ambient temperature (°C)	25 °C ± 5 °C
Humidity (RH %)	65%
Instrumentation list.....	See table "Measurement equipment and instrumentation"
Uncertainty	See table "Metodi di prova/Testing methods"
Potenza massima dell'impianto di destinazione: <i>Maximum power of the destination plant:</i>	☒ PV _{plant} < 400 KW (see picture 1A) ☒ PV _{plant} ≥ 400 KW (see picture 1B) ☐ Wind generator (see picture 1C)

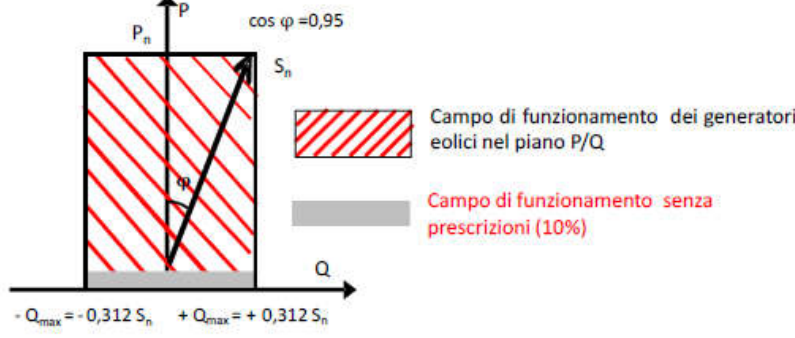
Picture 1A



Picture 1B



Picture 1C



For each of the 11 levels of active power, 1 values of inductive reactive power and 1 values of capacitive reactive power must be recorded, as averaged values in 1 min, based on the measurements at the fundamental frequency in a window of 200ms.

Operator	See cover page
Supervisor	See cover page
Test Date	See cover page

TABLE: Reactive power production with set point Q = 0

Power Step	Active Power		Reactive Power		Power Factor	Deviation	Target value	Limit
	[W]	[%Sn]	[VAr]	[%Sn]	Cosφ	ΔQ/Sn[%]	Q	ΔQ/Sn
90% - 100% $P_{S_{max}}$	49746.03	99.49%	-397.91	-0.80%	1.00	-0.80%	0	<±5%
70% - 80% $P_{S_{max}}$	39579.99	79.16%	-82.2	-0.16%	1.00	-0.16%	0	<±5%
50% - 60% $P_{S_{max}}$	29408.18	58.82%	228.48	0.46%	1.00	0.46%	0	<±5%
30% - 40% $P_{S_{max}}$	19232.52	38.47%	535.00	1.07%	1.00	1.07%	0	<±5%
10% - 20% $P_{S_{max}}$	9553.85	19.11%	819.98	1.64%	1.00	1.64%	0	<±10%
10% - 20% $P_{C_{max}}$	-9978.82	-19.96%	-643.42	-1.29%	1.00	-1.29%	0	<±10%
30% - 40% $P_{C_{max}}$	-19900	-39.80%	-919.7	-1.84%	1.00	-1.84%	0	<±5%
50% - 60% $P_{C_{max}}$	-30090.7	-60.18%	1220.788	2.44%	1.00	2.44%	0	<±5%
70% - 80% $P_{C_{max}}$	-40040.8	-80.08%	1510.747	3.02%	1.00	3.02%	0	<±5%
90% - 100% $P_{C_{max}}$	-50331.9	-100.66%	1856.583	3.71%	1.00	3.71%	0	<±5%

TABLE: Reactive power adsorbed with set point Q = Qmin

Power Step	Active Power		Reactive Power		Power Factor	Deviation	Target value	Limit
	[W]	[%Sn]	[VAr]	[%Sn]	Cosφ	ΔQ/Sn[%]	Cosφ or Q	ΔQ/Sn
90% - 100% $P_{S_{max}}$	45112.62	90.23%	-22096.63	-44.19%	0.90	-0.59%	-43.6%	<±5%
70% - 80% $P_{S_{max}}$	39959.40	79.92%	-21942.83	-43.89%	0.88	-0.29%	-43.6%	<±5%
50% - 60% $P_{S_{max}}$	29778.44	59.56%	-21630.30	-43.26%	0.81	0.34%	-43.6%	<±5%
30% - 40% $P_{S_{max}}$	19594.42	39.19%	-21309.85	-42.62%	0.68	0.98%	-43.6%	<±5%
10% - 20% $P_{S_{max}}$	9419.11	18.84%	-21008.31	-42.02%	0.41	1.58%	-43.6%	<±5%
10% - 20% $P_{C_{max}}$	-9997.29	-19.99%	-21518.3	-43.04%	-0.42	0.56%	-43.6%	<±5%
30% - 40% $P_{C_{max}}$	-19886.5	-39.77%	-21235.1	-42.47%	-0.68	1.13%	-43.6%	<±5%
50% - 60% $P_{C_{max}}$	-29988.7	-59.98%	-21155.7	-42.31%	-0.82	1.29%	-43.6%	<±5%
70% - 80% $P_{C_{max}}$	-39864.4	-79.73%	-21122.5	-42.25%	-0.88	1.35%	-43.6%	<±5%
90% - 100% $P_{C_{max}}$	-45577.9	-91.16%	-20999.4	-42.00%	-0.91	1.60%	-43.6%	<±5%

TABLE: Reactive power produced with set point Q = Q_{max}

Power Step	Active Power		Reactive Power		Power Factor	Deviation	Target value	Limit
	[W]	[%Sn]	[VAr]	[%Sn]	Cosφ	ΔQ/Sn[%]	Cosφ or Q	ΔQ/Sn
90% - 100% $P_{S_{max}}$	46452.65	92.91%	21541.89	43.08%	0.91	-0.52%	24215	<±5%
70% - 80% $P_{S_{max}}$	39715.81	79.43%	21750.66	43.50%	0.88	-0.10%	24215	<±5%
50% - 60% $P_{S_{max}}$	29546.14	59.09%	22058.14	44.12%	0.80	0.52%	24215	<±5%
30% - 40% $P_{S_{max}}$	19862.73	39.73%	22341.89	44.68%	0.66	1.08%	24215	<±5%
10% - 20% $P_{S_{max}}$	9669.59	19.34%	22634.33	45.27%	0.39	1.67%	24215	<±5%
10% - 20% $P_{C_{max}}$	-10052.6	-20.11%	22684.31	45.37%	-0.41	1.77%	24215	<±5%
30% - 40% $P_{C_{max}}$	-19869.2	-39.74%	22670.92	45.34%	-0.66	1.74%	24215	<±5%
50% - 60% $P_{C_{max}}$	-29958	-59.92%	22040.1	44.08%	-0.81	0.48%	24215	<±5%
70% - 80% $P_{C_{max}}$	-39830.7	-79.66%	22327.1	44.65%	-0.87	1.05%	24215	<±5%
90% - 100% $P_{C_{max}}$	-45235.6	-90.47%	22499.28	45.00%	-0.90	1.40%	24215	<±5%

Note(s):

Grafico: P/Q

/ Graph: Maximum reactive power adsorbed (Q_{min}) and produced (Q_{max}) as a function of the active power fed into the grid.

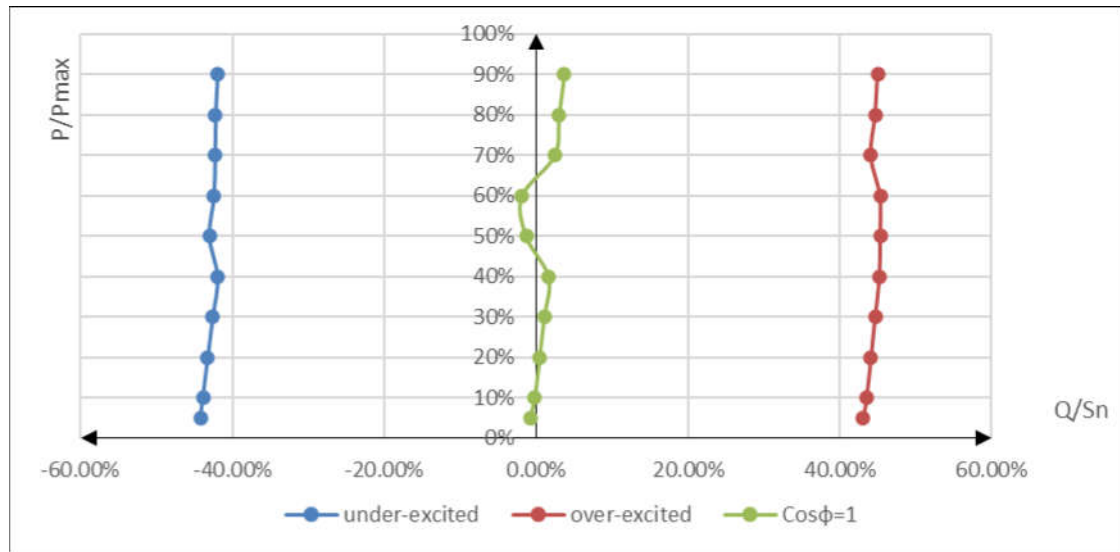


Table 6.1.1a: Maximum capability P-Q (Q=0)

Power-Bin	Active power		Reactive Power		DC Power		Power Factor
	[W]	p.u.	[VA]	p.u.	[W]	p.u.	
0% ±5%	-170.27	-0.34%	749.23	1.50%	869.62	1.74%	-0.20
10% ±5%	4727.62	9.46%	761.60	1.52%	4800.32	9.60%	0.98
20% ±5%	9801.64	19.60%	753.38	1.51%	9839.47	19.68%	1.00
30% ±5%	14870.75	29.74%	752.14	1.50%	14894.45	29.79%	1.00
40% ±5%	19931.61	39.86%	749.81	1.50%	19949.30	39.90%	1.00
50% ±5%	25004.91	50.01%	744.33	1.49%	25019.12	50.04%	1.00
60% ±5%	30046.64	60.09%	740.93	1.48%	30059.12	60.12%	1.00
70% ±5%	35098.60	70.20%	737.98	1.48%	35110.45	70.22%	1.00
80% ±5%	40098.35	80.20%	731.16	1.46%	40109.52	80.22%	1.00
90% ±5%	45141.36	90.28%	723.29	1.45%	45152.16	90.30%	1.00
100% ±5%	49868.99	99.74%	708.41	1.42%	49880.31	99.76%	1.00

Table 6.1.1b: Maximum capability P-Q (Q=Q_{max|cap})

Power-Bin	Active power		Reactive Power		DC Power		Power Factor
	[W]	p.u.	[VA]	p.u.	[W]	p.u.	
0% ±5%	-355.31	-0.71%	51465.87	102.93%	51478.24	102.93%	-0.01
10% ±5%	4999.28	10.00%	51174.33	102.35%	51429.72	102.86%	0.10
20% ±5%	10109.13	20.22%	50353.27	100.71%	51368.48	102.74%	0.20
30% ±5%	15186.23	30.37%	48976.86	97.95%	51286.38	102.57%	0.30
40% ±5%	19888.12	39.78%	47169.06	94.34%	51198.50	102.40%	0.39
50% ±5%	24973.38	49.95%	44556.16	89.11%	51085.37	102.17%	0.49
60% ±5%	29964.97	59.93%	41190.97	82.38%	50944.72	101.89%	0.59
70% ±5%	35016.05	70.03%	36709.52	73.42%	50739.39	101.48%	0.69
80% ±5%	40111.48	80.22%	30862.85	61.73%	50617.77	101.24%	0.79
90% ±5%	45087.96	90.18%	22485.18	44.97%	50389.95	100.78%	0.89
100% ±5%	49874.96	99.75%	710.65	1.42%	49886.32	99.77%	1.00

Table 6.1.1c: Maximum capability P-Q (Q=Qmax|ind)

Power-Bin	Active power		Reactive Power		DC Power		Power Factor
	[W]	p.u.	[VA]	p.u.	[W]	p.u.	
0% ±5%	5006.41	10.01%	-48959.04	-97.92%	50788.58	98.45%	0.10
10% ±5%	5006.41	10.01%	-48959.04	-97.92%	50788.58	98.45%	0.10
20% ±5%	10028.57	20.06%	-48164	-96.33%	50807.55	98.41%	0.2
30% ±5%	15134.28	30.27%	-46798.73	-93.60%	50820.8	98.38%	0.31
40% ±5%	19975.61	39.95%	-44939.52	-89.88%	50827.31	98.37%	0.41
50% ±5%	24906.18	49.81%	-42404.15	-84.81%	50828.87	98.37%	0.51
60% ±5%	29963.62	59.93%	-38306.27	-76.61%	51397.2	97.28%	0.62
70% ±5%	35118.96	70.24%	-34503.11	-69.01%	50771.41	98.48%	0.71
80% ±5%	40112.51	80.23%	-28664.59	-57.33%	50698.94	98.62%	0.81
90% ±5%	45067.86	90.14%	-20293.08	-40.59%	50574.48	98.86%	0.91
100% ±5%	49884.04	99.77%	712.24	1.42%	50104.81	99.79%	1.00

Figure 6.1.1 Reactive Power capability of the product
