

GPa_PGU_CM_rev.1



Product Certificate Number	20618-4-CER		
Applicant	ABB Power Grids Belgium n.v. – Power Quality Products Allée Centrale, 10 – Z.I. Jumet B-6040 Charleroi, Belgium		
Series	PQstorl Series		
Models	PQstorl-M PQstorl-WM PQstorl-C		
Type of generating unit	Battery Energy Storage Inverter		
Technical Data	See page 2		
Software version	v0.1-Rev10, / DSP V56.1 rev 34 μP: v1.0 – Rev07, / DSP v56.1 Rev 27 μP: v1.0 – Rev03, / DSP v56.1 Rev 18 and DSP: v56.1 Rev 19		
Network connection code	EN 50549-1:2019. Requirements for generating plants to be connected in pa with distribution networks - Part 1: Connection to a LV distribution network Generating plants up to and including Type B with Cz, NO, SWE, CH a deviations. EN 50549-2:2019. Requirements for generating plants to be connected in pa with distribution networks - Part 2: Connection to a MV distribution networks Generating plants up to and including Type B with Cz, NO, SWE, CH a deviations.		

Having assessed the report numbers: 20387-1-TR, 20461-TR and 20618-4-TR performed by CERE (Accredited Laboratory N° 5314.01) based on the requirements of the EN ISO/IEC 17025: 2017.

The above-mentioned generating unit complies with the requirements of the:

EN 50549-1:2019. Requirements for generating plants to be connected in parallel with distribution networks - Part 1: Connection to a LV distribution network – Generating plants up to and including Type B with Cz, NO, SWE, CH and DK deviations.

EN 50549-2:2019. Requirements for generating plants to be connected in parallel with distribution networks - Part 2: Connection to a MV distribution network – Generating plants up to and including Type B with Cz, NO, SWE, CH and DK deviations.

This certification is according the CERE internal process PET-CERE-09 Rev 27 based on the requirements of the EN ISO/IEC 17065:2012. For this certification process the conformity assessment activities were based on:

- · Testing of production samples selected by CERE.
- Audit of quality system according ISO 9001 with certificate number: BE05/051523 issued by a certification body accredited according EN ISO/IEC 17021.
- Inspection of the manufacturing process.

This certificate cancels and supersedes the certificate number 20461-1-CER issued on March 06, 2020

Madrid, August 05, 2020. This certificate is valid until August 05, 2023.

Miguel Martínez Lavin Certification Manager





Technical data

CERT #5314.01 & 5314.02

PQstorl:

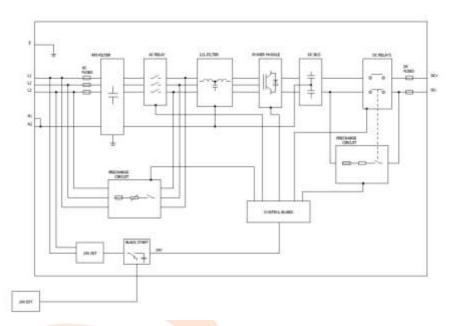
	PQstorl - M	PQstorl - WM	PQstorl - C		
Specification	Module	Wall-mounted	Standalone cabi- net		
Electrical characteristics					
Connection method	3-wires				
Network voltage (+/-10%)	208 - 415 V				
Network frequency (+/-5%)	50				
Rated power (at 400 V)	30 kW				
Line current rating per base unit (A)	40 A		Full cubicle: 40 A 600 A		
Inverter technology	Three level inverter				
Modularity	Up to 16 modules can be combined. Different module ratings are allowed				
Equipment losses	<2% of the equipment power typically				
Inverter characteristics					
DC voltage (min)	620 V for 3W application (note 1) Note 1: Limited High voltage ride through support at lower DC voltage				
DC voltage (max)	830 V (890 V with reduced power)				
Re <mark>sp</mark> onse time	<1 network cycle				
Programming/ communication					
Wi-Fi communication	Webserver on smatphone or computer for sinple diagnostics and parameters setup				
USB	With dedicated opcional software (servicing / programaming)				
НМІ	7-inch color TFT screen (800 x 480 pixels) 198 x 141 x 40 mm IP65 front side / IP20 backside CAN 2B (internal) - RJ12 Ethernet (Modbus TCP) - RJ45) USB 2.0				
Digital I/O on HMI	2 insulated digital input - +24 V (AC or DC) 6 digital NO output - 250 Vac/ 5A (one common polatity), dry contacts				



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Electrical Diagram of PQstorl



The sample selected to test was representative of the production.

The sample was selected in:

Sample Report Number:

The inspection of manufacturing process was performed in: On December 12, 2019

Inspection Report Number:

s.a ABB Power Grids Belgium n.v. – Power Quality Products Allée Centrale 10 – Z.I. Jumet. 6040, Charleroi, Hainut, Belgium

ABB Power Grids Belgium n.v.
CC8701-BEPGJ c/o ABB Business Services
Gmbh Kallstadter Str. 1 / 68129 Mannheim,
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204<mark>61-TM</mark>/

s.a ABB Power Grids Belgium n.v. – Power Quality Products
Allée Centrale 10 – Z.I. Jumet.
6040, Charleroi, Hainut, Belgium

20303-19-1-IF



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RECORD OF CHANGES

Revision	Modification / Changes	Date
0	Initial version/ Certification update 20461-1-CER	05/08/2020

