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|---|--|---|
| Product Certificate Number | 20708-5-CER-E2 | |
| Applicant | EPC Power Corp. 13250 Gregg Street Suite A-2 92064. Poway. California, USA | |
| Series | PD CAB1000 | |
| Models | 50-100205 (PD 250) 50-100144 (PD 250 HYDRA) | 50-100195 (PD 500) 50-100100 (CAB1000/AC-2L.1) |
| Type of generating unit | Bidirectional Energy Storage & Microgrid PCS | |
| Technical Data | See pages 2 and 3. | |
| Software version | fea5619 (3.5.12) | |
| Network connection code/Standard | Engineering Recommendation G99 , Issue 1 Amendment 6. March 2020. Requirements for the connection of generation equipment in parallel with public distribution networks on or after 27 April 2019. Type B, C and D. | |

Having assessed the report number: 20708-5-TR performed by CERE (Accredited Laboratory N° 5314.01) and simulation report number 20708-5-S 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:

Engineering Recommendation G99, Issue 1 Amendment 6. March 2020. Requirements for the connection of generation equipment in parallel with public distribution networks on or after 27 April 2019. Type B, C and D.

This certification is according the CERE internal process PET-CERE-09 Rev 30 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: 55241 issued by a certification body accredited according EN ISO/IEC 17021.
- Inspection of the manufacturing process.

This certificate cancels and supersedes the certificate number 20708-5-CER-E1 issued on March 05, 2021

Madrid, March 23, 2021. This certificate is valid until February 26, 2024

Miguel Martínez Lavin
Certification Manager

Technical data

PD Series

| 50-100205 (PD250) | |
|---|--------------------------|
| AC | |
| AC voltage range | 208-480 Vrms +10% / -12% |
| AC export power @ 60C° inlet (480Vrms) | 250 kVA 301 Arms |
| AC import power @ 55C° inlet (480 Vrms) | 250 kVA 301 Arms |
| Nominal frequency | 50 Hz |
| DC | |
| DC voltage range | 350 – 1250 V |
| Max. DC current | 370 A |
| Number of DC inputs | 1 |
| Environmental | |
| Ambient temperature (operation) | -40°C to 50°C |
| Ambient temperature (storage) | -40°C to 50°C |

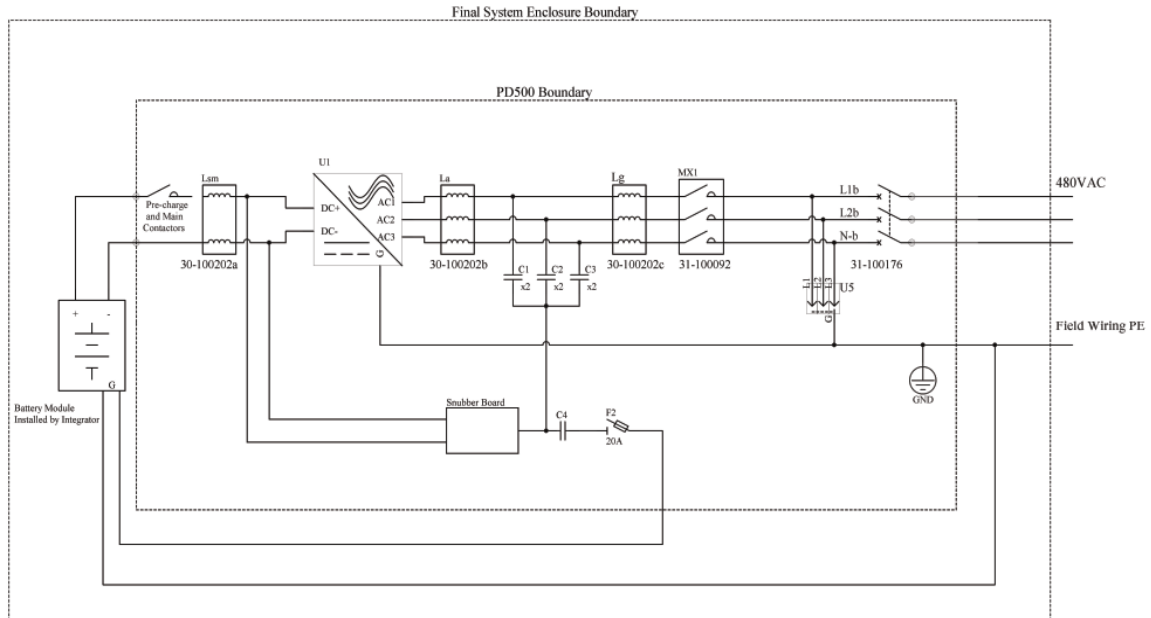
| 50-100144 (PD250 HYDRA) | |
|---------------------------------|------------------------------|
| AC | |
| AC voltage range | 480 Vrms + 10% / -12% |
| AC export power (@ 60C° inlet) | 250 kVA 301 Arms |
| AC import power (@ 55C° inlet) | 250 kVA 301 Arms |
| Nominal frequency | 50 Hz |
| DC | |
| Battery DC port | 550 A 1250 V max 375 kW |
| Solar DC port | 550 A 200 – 620 V 250 kW |
| Battery voltage range | 710 – 1250 V |
| Environmental | |
| Ambient temperature (operation) | -40°C to 50°C |
| Ambient temperature (storage) | -40°C to 50°C |

| 50-100195 (PD500) | |
|---|---------------------------|
| AC | |
| AC port configuration | 3-wire (3P3W) |
| AC voltage range | 208-480 Vrms + 10% / -12% |
| AC export power @ 60C° inlet (480 Vrms) | 500 kVA 602 Arms |
| AC import power @ 55C° inlet (480 Vrms) | 500 kVA 602 Arms |
| Nominal frequency | 50 Hz |
| DC | |
| DC voltage range | 350 – 1250 V |
| Max. DC current | 750 A |
| Number of DC inputs | 1 |
| Environmental | |
| Ambient temperature (operation) | -40°C to 50°C |
| Ambient temperature (storage) | -40°C to 50°C |

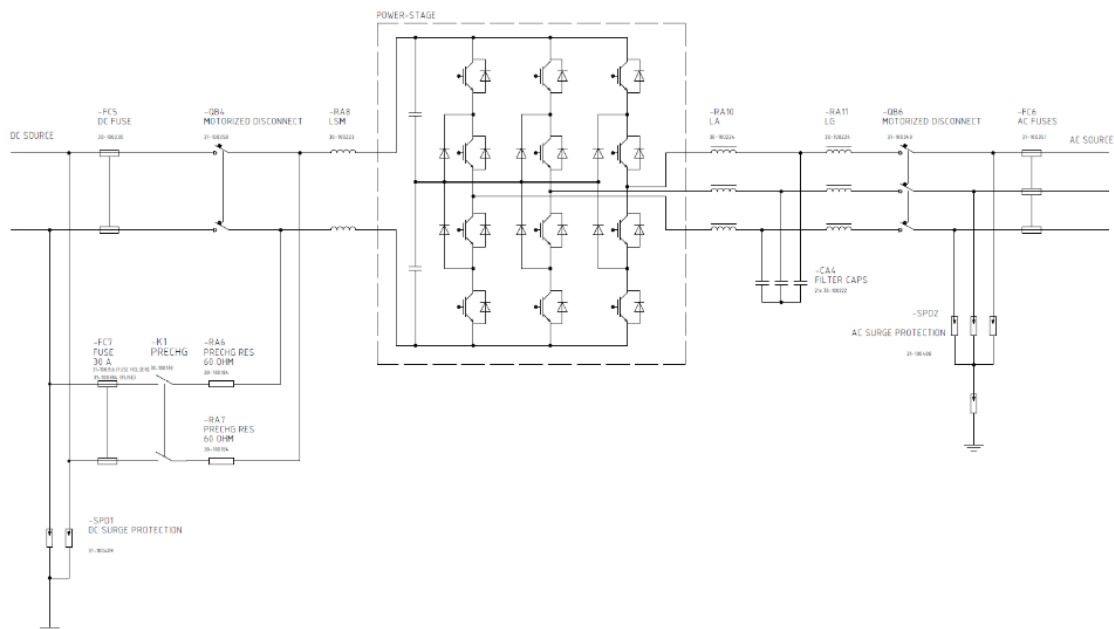
CAB1000 series

| 50-100100 (CAB1000/AC-2L.1) | |
|---------------------------------------|---|
| Lineup Quantity | 1 ... 4 |
| AC | |
| AC configuration | 3-wire (3P3W) |
| AC voltage range | 208 -690 Vrms + 10% / -12% |
| AC export power @ 40C° (480 Vrms) | 1043 kVA 1255 Arms ... 4172kW 5020 Arms |
| AC import capacity @ 40C° (4800 Vrms) | 1043 kW 1255 Arms ... 4172kW 5020 Arms |
| Nominal frequency | 50 Hz |
| DC | |
| DC voltage range | 350 – 1250 V |
| Battery voltage range | 750 – 1000 V @ 480 Vrms |
| Max. DC current | 1400 A ... 5600 A |
| Environmental | |
| Ambient temperature (operation) | -20°C to 40°C |
| Ambient temperature (storage) | -40°C to 60°C |

Electrical Diagram of PD series



Electrical Diagram of CAB1000 series



The sample selected to test was representative of the production. The sample was selected in:

EPC Power Corp.
13250 Gregg Street Suite A-2
92064. Poway. California, USA

Sample Report Number:

20708-TM

The inspection of manufacturing process was performed in:
On October 14th, 2020

EPC Power Corp.
13250 Gregg Street Suite A-2
92064. Poway. California, USA

Inspection Report Number:

20708-20-1-IF

RECORD OF CHANGES

| Revision | Modification / Changes | Date |
|----------|--|------------|
| 0 | Initial version | 26/02/2021 |
| 1 | New edition due to editorial changes | 05/03/2021 |
| 2 | Elimination of two variant models due to changes in their configuration that affect to the compliance of the standard. | 23/03/2021 |