



America

# CERTIFICATE

No. U10 097735 0006 Rev. 00

**Holder of Certificate:** **Technosoft S.A.**  
Avenue des Alpes 20  
2000 Neuchâtel  
SWITZERLAND

**Certification Mark:**



**Product:** **Power Conversion Equipment  
(motor controller)**

**Tested according to:** UL 61800-5-1:2012/R:2021-02  
CSA C22.2 No. 274:2017

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. The certificate holder shall not transfer this certificate to third parties. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing and Certification Regulations". For Canadian standards TÜV SÜD America Inc. is accredited by the Standards Council of Canada to ISO/IEC 17065.

**Test report no.:** 713296805

**Date,** 2023-05-23

( Hendrik Elze )



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**Model(s):** iPOS8010 BX-CAT, iPOS8010 BX-CAN, iPOS8020 BX-CAT, iPOS8020 BX-CAN, iPOS4850-BX-CAT, iPOS4850-BX-CAN, iGVD71 BX-CAT, iGVD71 BX-CAN

## Parameters:

iPOS8010 BX-CAT  
iPOS8010 BX-CAN

Rated Voltage Logic:	12 – 36 V		
Rated Voltage Motor:	12 V	36 V	60 V
Rated Current Motor:	-20 A	±10 A	+20 A
Rated Frequency:	DC		
Nominal output current, continuous:	10 A		
Motor output current, peak (maximum 2.5s):	20 A		

## Model

iPOS8020 BX-CAT  
iPOS8020 BX-CAN

Rated Voltage Logic:	12 – 36 V		
Rated Voltage Motor:	12 V	36 V	60 V
Rated Current Motor:	-40 A	±20 A	+40 A
Rated Frequency:	DC		
Nominal output current, continuous:	20 A		
Motor output current, peak (maximum 2.5s):	40 A		

## Model

iPOS4850-BX-CAT  
iPOS4850-BX-CAN

Rated Voltage Logic:	9 – 36 V		
Rated Voltage Motor:	12 V	36 V	60 V
Rated Current Motor:	-50 A	±10 A	50 A
Rated Frequency:	DC		
Nominal output current, continuous:	50 A		
Motor output current, peak (maximum 2.5s):	90 A		



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## Model

iGVD71 BX-CAT

iGVD71 BX-CAN

Rated Voltage Logic:	12 – 36 V		
Rated Voltage Motor:	12 V	36 V	60 V
Rated Current Motor:	-100 A	±100 A	+100 A
Rated Frequency:	DC		
Nominal output current, continuous:	100 A		
Motor output current, peak (maximum 2.5s):	135 A		

## Remarks/CoA (e.g. nomenclature; conditions of acceptability):

### Condition of acceptability

- When installing requirements of test standards and installation guide must be fulfilled.
- This EUT is for use in non-hazardous locations, operated by qualified personnel skilled in its use.
- The EUT shall be supplied with the specified rated voltages according to the user manual.
- The connecting cables for the power supply must have a minimum cross-section of 24 AWG and must be able to handle a current of 20 A continuously.
- The EUT is a single-phase equipment. The input fuse must be a certified overcurrent protection device according to the manual and the tested standards.
- The disconnection device for the EUT is part of the end application and must fulfil the requirements of the manual and the tested standards.
- The EUT fulfils the requirements of the tested standards only, if it is supplied with a source that has a prospective short-circuit current of at least 5000 A.
- A lithium battery circuit shall comply with the requirements in the Standard for Lithium Batteries, UL 1642.
- Functional Safety is not part of the evaluation

