

# uXcel-125VDC 50AMPS uXcel-24VDC 30AMPS

## Industrial Battery Charger

The project for the control room of a factory in the Philippines



More flexible



More reliable



More affordable

Location: Philippines/2023

### Background:

The project was customized for the control room of a factory in the Philippines, due to the aging of the chargers or power supply equipment, the equipment is malfunctioning and need to be replaced. The power supply equipment in the control room is very important for the daily office routine or production of the factory, which will directly affect the production of the factory, and seriously lead to the stoppage of work, So there is an urgent need to replace the old machine with a new one.

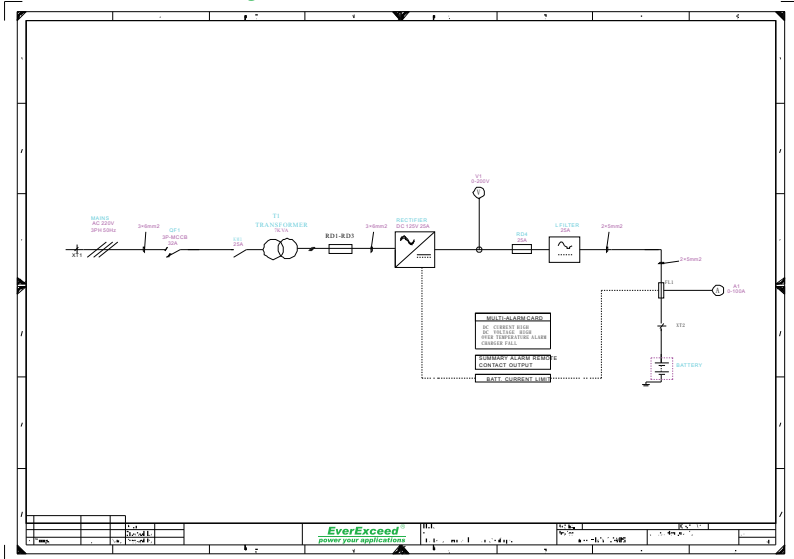
At the same time, the plant has limited space for installable equipment, so we specially designed the charger to meet the specific requirements of the factory. This charger not only meets the needs of the equipment function, but also reduces the size of the cabinet, so as to solve the problem of limited factory installation equipment.

### Custom design highlights:

- ◆ **1.Safe and reliable:** The modular design of the unit can effectively solve the heat dissipation problem of large loads, so that the charger can operate normally under high loads for a long time;
- ◆ **2. Customized design of communication mode:** With RS 232 and Modbus RTU communication function (other communication modes can be customized), it can upload the relevant monitoring data to the background and realize remote real-time view;
- ◆ **3. Flexible capacity increase:** The modular design of the unit allows any combination or expansion of the charger's functions and protection, which better and conveniently meets the customer's customization needs;
- ◆ **4. Simplified structural design:** Small size, easy to install, overhaul, dismantle, and can be quickly recovered;
- ◆ **5. Unique appearance design:** Spray RAL 7035 (other colors can be customized), not susceptible to moisture, condensation, dust, pollution, etc., higher safety.



## Customized system chart



## General specification:

Topology	6 pulse full bridge thyristor rectifier	6 pulse full bridge thyristor rectifier
Model	uXcel -125V50A	uXcel - 24V30A
Input Voltage	220V AC 50HZ	220VAC 50HZ
Rated power	7KW	1.1KW
output voltage	125V DC(0~188V adjustable)	24VDC(0-36V adjustable)
Output Current	50A(0~50A adjustable)	30A(0-30A adjustable)
IP class	IP20	IP20
Color	RAL 7035	RAL 7035

## Functions and protection:

- ◆ **Alarm function:** Ground fault alarm, DC over-voltage alarm, over-temperature protection;
- ◆ **Protection functions:** Overcurrent protection, fuse protection, short circuit protection, overload protection, etc.;
- ◆ **Monitoring data:** Input voltage, output DC voltage, input current, output DC current, input power, output power, equalization voltage, float voltage, etc. At the same time, the charger has the function of storing certain data, which can support the customer to check the alarm event and download at any time;
- ◆ **Panel indication:** Intelligent touch screen, alarm indicator (charger fault alarm indication, AC power alarm indication), operation indication, power indication, DC Voltmeter, DC Ammeter;
- ◆ **Communication:** RS232, Modbus RTU (other communication methods can be customized);
- ◆ **Design service life:** The charger can run continuously without trouble for 200,000 hours under proper maintenance conditions.



**EverExceed | A global leading manufacturer of customized industrial battery charger.**



EverExceed | Empower, Energize, Exceed  
the Energy you Expect forever.

[www.everexceed.com](http://www.everexceed.com)



Headquarter:

**Shenzhen EverExceed Industrial Co., Ltd**

Section A, Floor 19, Senhainuo Kechuang Building,  
DeZhengRoad No.5, Shilong Community, Shiyan,  
Bao'an District, Shenzhen, China

[www.everexceed.com](http://www.everexceed.com)

[marketing@everexceed.com](mailto:marketing@everexceed.com)

Branch Company:

**EverExceed International Company Limited (HK)**

19H Maxgrand Plaza No3 Tai Yau St San PO Kong KLN Hongkong

[info@everexceed.com](mailto:info@everexceed.com)

**EVEREXCEED INTERNATIONAL (UK) LIMITED**

63-66 HATTON GARDEN FIFTH FLOOR, SUITE23 LONGDON  
UNITED KINGDOM

[Europe@everexceed.com](mailto:Europe@everexceed.com)