

# **Charger debug instruction**

## Debug page

**POWER-ALL**

Charge State Charge Set Debug Page Protect Set System Set Log

**Debug1**

Voltage Range: 1000 V PID Mode: 4 (1.Fast 3.Slowly 2.Middle 4.Customize)

Current Range: 1100 A PID-P: 20

**Debug2**

Soft start Time: 0 S PID-I: 20

Soft stop Time: 0 S Master slave shift: 120

Control Mode: 0 (0:Communication 1:Local) Start Method: 0 (0:JOG 1:Auto)

2020 -01 -08 14:01:31

Debug1: Charger debug interface, these default parameters have been pre-set at factory before shipment, end user is no need to modify

1) Voltage Range: This parameter is mainly used to calibrate the limiting voltage value during constant current charging. When the limiting voltage is set at 100V, but the actual limiting voltage is not 100V, then you can change the "Voltage Range" to adjust the actual value equal to the set value.

Charge Mode: Constant Current

Next Step: 0

Value: 40.0 A

Jump Term: 56.4 V

Set Time: 0 min

Limiting Voltage: 100.0 V

2) Current Range: This parameter is mainly used to calibrate the limiting current value during constant voltage charging. When the limiting current set at 10A, but the actual limiting current is not 10A, then you can change the "current Range" to adjust the actual value equal to the set value

Charge Mode: <b>Constant Voltage</b>	Next Step: <b>0</b>
Value: <b>130.0</b> V	Jump Term: <b>-4.0</b> A
Set Time: <b>0</b> min	Limiting Current: <b>10.0</b> A

**3)Soft start time:** soft start time of charger controller.

**4)Soft stop time:** soft stop time of charger controller.

**5)control mode:** For debugging, select the communication representative to control through the touch screen

**6)PID mode:** Proportional integral adjustment parameter, which can be adjusted to determine the voltage rise speed of charger

**7)Master slave shift:** Master-slave phase angle conversion, please do not modify the factory default parameters

**8)Start Method:** Starting mode, select JOG mode in charger system, please do not modify the factory default parameters

POWER-ALL		Charge State	Charge Set	Debug Page	Protect Set	System Set	Log
Debug1	Voltage feedback calibration:	1.028	0.00				
	Voltage set calibration:	0.485					
Debug2	Current feedback calibration:	1.064	0.00				
	Current set calibration:	0.980					

2020 -01 -08 14:41:54

Debug2 : Calibrate voltage and current in the debug interface. If recalibration is needed, please do not change too much, just a little. For example, 1.028 change to 1.030, not to 1.30.

9)Voltage feedback calibration: Adjust this parameter when the display voltage is not consistent with the actual voltage.

10)Voltage setting calibration: Adjust this parameter when the actual voltage value is not consistent with the set value.

11)Current feedback calibration: Adjust this parameter when the display current is not consistent with the actual current.

12)Current setting calibration: Adjust this parameter when the actual current value is not consistent with the set value.

## Protection Setting

Protection Setting page need a password to enter (password:222) and the screen could set the parameters of over voltage protection, over & under voltage alarm, over current protection, lose phase protection and three-phase unbalance protection, as showed in the figure.

POWER-ALL		Estado Carga	Ajust Carga	Depuración	Ajust de Protec	Ajust Sistema	Reg
Hora de Sobre Voltaje:	3 S	Hora de Sobre Corriente:	3 S				
Valor de protección por Sobre Voltaje:	180.0 V (0 cerrado)	Valor de Protección por Sobre Corriente:	35.0 A (0 cerrado)				
Valor de Alarma por Sobre Voltaje:	180.00 V	Protección por pérdida de fase:	0	0: Cerrado	1: Abierto		
Valor para alarma de bajo voltaje:	0.00 V	Protección por desbalance trifásico	0	<10: Cerrado	>10: Abierto		

2019 -10 -16 14:47:17

1)Over voltage time: This parameter is the overvoltage protection time of the charger, when the over-voltage time exceeds this set value, the charger will disconnect the output. It should be used at the same time with the overvoltage protection voltage value.

2)Over voltage protection value: This parameter is the overvoltage protection of the charger, when set to 0, the protection is off, and when set to greater than 0, the protection will work.

See the figure showed in the example (when the output voltage of the charger reaches 180V, the delay is 3s to disconnect the output of the charger. It is to protect products and equipment from damage due to excessive output voltage.)

3)Over voltage alarm: This parameter is the overvoltage alarm of the charger. When set to 0, the protection is off. When set to greater than 0, the protection is work. (Only alarm display, do not disconnect the charger output)

4)Under voltage alarm: This parameter is the under voltage alarm of the charger. When it is set to 0, the protection will be closed. When set to greater than 0, the protection will be effective. (Only alarm display, do not turn off the charger output)

5)Over current time: This parameter is the over current protection time of the charger, which should be used together with the over current protection value.

6)Over current protection value: This parameter is the over current protection of the charger, when set to 0, the protection is off, and when set to greater than 0, the protection is work.

See the figure showed in the example (when the output current of the charger reaches 35A, the delay of 3s turns off the output of the charger. It is to protect products and equipment from damage due to excessive output current.)

7)Lose phase protection: This parameter is the lack of phase protection of the charger. When set to 0, the protection is closed; when set to 1, the protection is open. (When the protection is open, the output of the charger will be turned off if a fault occurs.)

8)Three phase unbalance protection: This parameter is the three-phase unbalanced protection of the charger. When set to less than 10, the protection is closed; when set to greater than 10, the protection is open. (When the protection is open, the output of the charger will be turned off if a fault occurs.)





*More flexible | More reliable | More affordable*

***EverExceed***<sup>®</sup>  
***power your applications***

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



**Headquarter:**

**Shenzhen EverExceed Industrial Co., Ltd**

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

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

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

**Branch company:**

**EverExceed International Company Limited (HK)**

19H Maxgrand Plaza No.3 Tai Yau St San PO Kong KLN Hong Kong

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

**EverExceed International (UK) Limited**

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

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

