Communications V1.2

COM setting **Set up the COM port inside the PC according to the following list.**

- Baud rate: 9600/19200/38400/57600/115200 (the factory baud rate of the power supply: 115200)
- Parity bit: None
- Data bit: 8
- Stop bit: 1
- Data flow control: None

RS485 communication commands add the address after the command letters. Taking ID equalling 5 for example:

ISET05:10.5
Set the current to 10.5A

ISET05?
Query the current setting value of the current

VSET05:12.5
Set the voltage to 12.5V

VSET05?
Query the current setting value of the voltage

IOUT05?
Query the current output value of the current

VOUT05?
Query the current output value of the voltage

BEEP05:
BEEP:1 turn on the buzzer,BEEP:0 turn off the buzzer

OUT05:
OUT:1 turn on the output,OUT:0 turn off the output

OUT05?
Returning the output status of the machine, 0 is output OFF while 1 is output ON.

STATUS05?
Query the device status BIT0:CC/CV, BIT1:output, BIT2:V/C priority, BIT4:the buzzer, BIT5:LOCK, BIT6:OVP status, BIT7:OCP status.

***IDN05?**

Query the serial No. of the device

RCL05:5

Recall M5 as the current value (the value is 1 - 5)

RCL05:6

Recall LIST dynamic value

SAV05:5

The current value is stored in M5 (the value is 1 - 5)

OCP05:12.5

Set the OCP current value to be 12.5A

OCP05: ON/OFF

open/close OCP

OCP05?

Query the OCP current value

OVP05:15.5

Set the OVP voltage value to be 12.5A

OVP05: ON/OFF

open/close OVP

OVP05?

Query the OVP voltage value

VSLOPE05:31.5

Set the output voltage slope to be 31.5V/100uS

VSLOPE05?

Query the output voltage slope

ISLOPE05:1.5

Set the slope of the output current to be 1.5A/100uS

ISLOPE05?

Query the set output current slope

LIST0500:25, 6

Set the times of repetitions of LIST to be 25 and LIST sets 6 dynamic values

LIST0500?

Query the times of repetitions of LIST and the number of dynamic values

LIST0502:25.6, 2.5, 6.5, 5.8

Set the second dynamic value of LIST: voltage to be 25.6V, current 2.5A, slope 6.5V/100uS and time 5.8sQuery the voltage, current, slope and time of the second dynamic value of LIST

LIST0502?

Query the voltage, current, slope and time of the second dynamic value of LIST

EXIT05:

EXIT1： 0 turn off the external trigger, EXIT1:1 turn on the external trigger

EXIT05?

Query the status of the external trigger

COMP05:

COMP1:0 turn off the external compensation, COMP1:1 turn on the external compensation

COMP05?

Query the status of the external compensation

LOCK05:

LOCK:0 unlock the buttons, LOCK:1 lock the buttons

VASTEP05:1, 30, 0.1, 1

Starting voltage 1V, ending voltage 30V, each step 0.1V and the interval 1s

VASTOP05

Voltage stops automatically

VSTEP05:1

Set the step voltage 1V

VUP05

The step voltage set by the voltage increase

VDOWN05

The step voltage set by the voltage decrease

IASTEP05:1, 3, 0.1, 1

Staring current 1A, ending current 3A, each step 0.1A and interval 1s

IASTOP05

Current stops automatically

ISTEP05:1

Set the step current 1A

IUP05

The step current set by the current increase

IDOWN05

The step current set by the current decrease

PRIORITY05:1

Set the priority of voltage and current, 0 is voltage priority while 1 is current priority.