

PPS3203T/3205T communications protocol

1 Communication Setting

- a.)baud rate: 4800,9600,19200 resettable on panel
- b.)Data bit: 8 digit, (9 digit default)
- c.)stop bit: 1 digit
- d.)Local address: 0-0XFF,(default value:0)
- e.)Interface: RS232, USB

2 Data frame format

PC transmits 24 Byte data to power supply

Start synchronization OAAH 1 bit IP address 21 bit data 1 Bit reserved

Power supply sends data 24 byte to PC

Start synchronization OAAH 1 bit IP address 21 bit data 1 Bit reserved

Communication data format description:

1).Data PC transmitting to Power supply is

OAAH Address 1.2.3 Channel Value (12 Byte) System set (9 byte) Reserved (1 byte)

Start Synchronization:

0 Byte OAAH

Address:

1 Byte 0-0XFFH

Channel Set:

2 Byte Channel 1 voltage set High bit

3 Byte Channel 1 Voltage set low bit

4 Byte Channel 1 Current set high bit

5 Byte Channel 1 Current Set low bit

6 byte Channel 2 voltage set high bit

7 Byte Channle 2 Voltage set low bit

8 Byte Channle 2 Current set high bit

9 Byte Channel 2 Current set low bit

10byte Channel 3 Voltage set high bit

11byte Channle 3 Voltage set low bit

12 Byte Channel 3 Current high bit

13 byte Channel 3 Current low bit

System set:

14 Byte Reserved

15 Byte 0、1、2 bit ---switch of channel 1、 2、 3, 1 switch on, 0 switch off

16 Byte 1 alarm allowed, 0 alarm forbidden

17 Byte Reserved

18 Byte 1 constant current output, 0 over current protection

19 Byte 0 independent output, 1 series connection, 2 parallel connection

20 Byte reserved
21 Byte reserved 0
22 Byte reserved 0

Calibration byte:

23 Byte calibration byte reserved 0

2). Power supply sending data format to PC

OAAH Address 1.2.3 Channel Value(12 Byte) System set (9 byte) Reserved (1 byte)

Start Synchronization:

0 Byte OAAH

Address:

1 Byte 0-0XFFH

Channel Set:

2 Byte Channel 1 voltage set High bit

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