

(communication content)

(0x03)

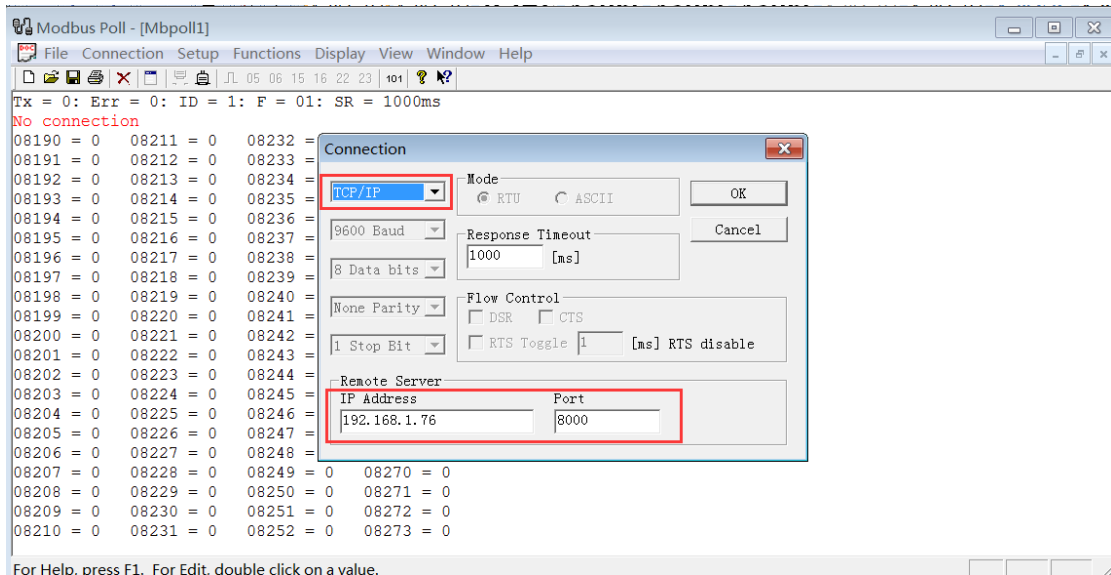
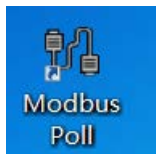
| No.(Register) | Name              | Data type(Hi-Lo) | Coefficient | Unit | Remark                          |
|---------------|-------------------|------------------|-------------|------|---------------------------------|
| 2002          | Voltage           | 32-bit float     | 0.01        | V    |                                 |
| 2000          | Current           | 32-bit float     | 0.01        | A    |                                 |
| 2300          | Voltage           | 16-bit unsigned  | 0.01        | V    | The same to 2000, but not float |
| 2302          | current           | 16-bit unsigned  | 0.01        | A    | The same to 2000, but not float |
| 110           | Charging time     | 16-bit unsigned  | 1           | min  |                                 |
| 111           | Charging capacity | 32-bit float     | 0.1         | AH   |                                 |

(0X04)

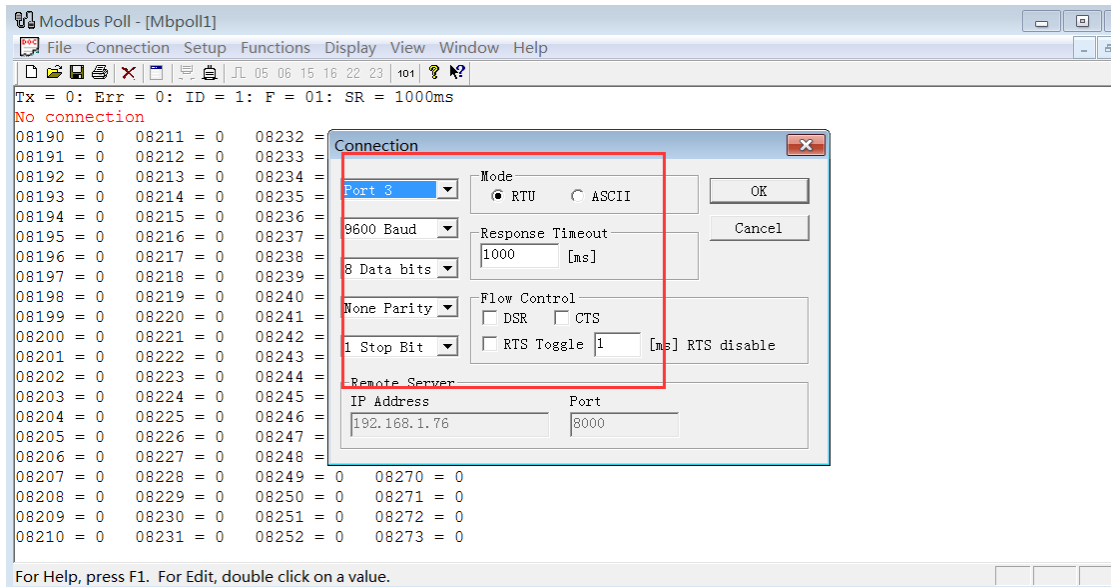
| No.(Register) | Name         | Data type(Hi-Lo) | Remark  |
|---------------|--------------|------------------|---|
| 500           | Alarm status | 16-bit unsigned  | 1: Lose phase protection<br>3: Over current protection<br>6: Over voltage protection<br>8: Three phase current un balance<br>9: wrong phase<br>10: Over temperature |

|     |                |                     |  |
|-----|----------------|---------------------|--|
|     |                |                     | protection   |
| 120 | Charging mode  | 16-bit unsigned int | 1: float<br>0: boost   |
| 122 | Charging state | 16-bit unsigned int | 0: state 0<br>1: state 1<br>2: state 2<br>3: state 3<br>4: state 4<br>5: state 5 |

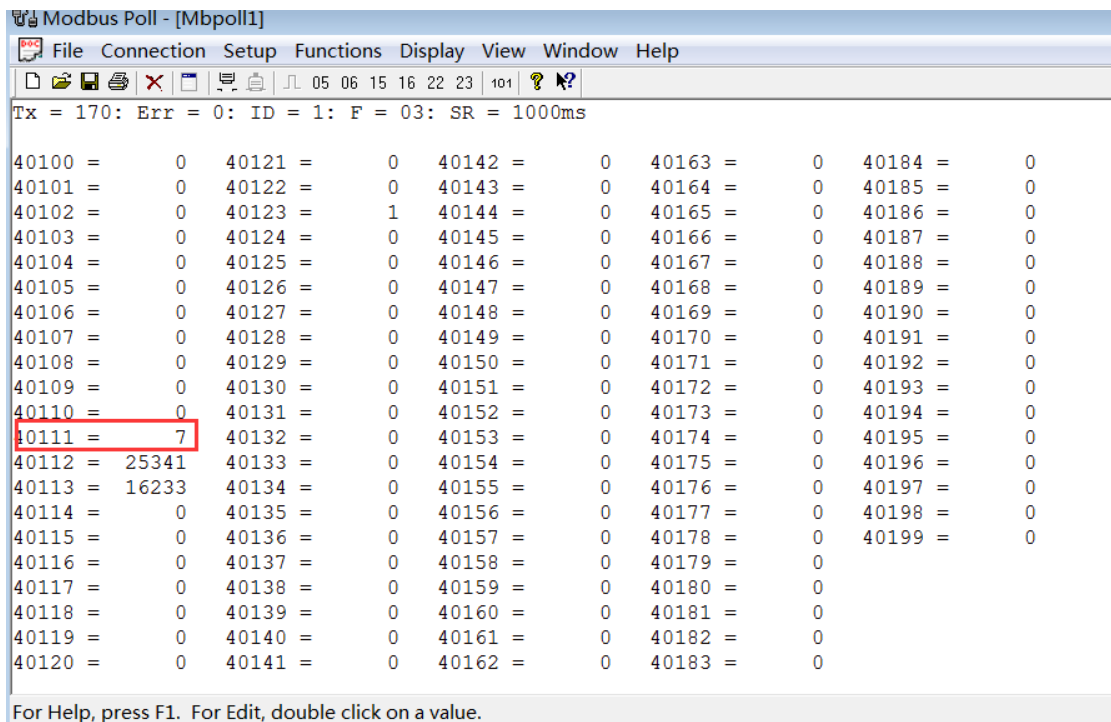
Customers can use Modbus poll; to test the communication of chargers, the following figure is the IP setup and port test of Modbus TCP/IP protocol.



The following figure shows the settings of Modbus RTU:



Specific test examples are as follows:



40111=7, charging time=7min. data type: 16-bit signed

Modbus Poll - [Mbpoll1]

File Connection Setup Functions Display View Window Help

Tx = 10: Err = 0: ID = 1: F = 03: SR = 1000ms

|         |          |         |        |         |        |         |      |
|---------|----------|---------|--------|---------|--------|---------|------|
| 42000 = | 0.0000   | 42020 = | 0.0000 | 42040 = | 0.0000 | 42060 = | 0.00 |
| 42001 = |          | 42021 = |        | 42041 = |        | 42061 = |      |
| 42002 = | 7.9000   | 42022 = | 0.0000 | 42042 = | 0.0000 | 42062 = | 0.00 |
| 42003 = |          | 42023 = |        | 42043 = |        | 42063 = |      |
| 42004 = | 125.5000 | 42024 = | 0.0000 | 42044 = | 0.0000 | 42064 = | 0.00 |
| 42005 = |          | 42025 = |        | 42045 = |        | 42065 = |      |
| 42006 = | 0.0000   | 42026 = | 0.0000 | 42046 = | 0.0000 | 42066 = | 0.00 |
| 42007 = |          | 42027 = |        | 42047 = |        | 42067 = |      |
| 42008 = | 0.0000   | 42028 = | 0.0000 | 42048 = | 0.0000 | 42068 = | 0.00 |
| 42009 = |          | 42029 = |        | 42049 = |        | 42069 = |      |
| 42010 = | 0.0000   | 42030 = | 0.0000 | 42050 = | 0.0000 | 42070 = | 0.00 |
| 42011 = |          | 42031 = |        | 42051 = |        | 42071 = |      |
| 42012 = | 0.0000   | 42032 = | 0.0000 | 42052 = | 0.0000 | 42072 = | 0.00 |
| 42013 = |          | 42033 = |        | 42053 = |        | 42073 = |      |
| 42014 = | 0.0000   | 42034 = | 0.0000 | 42054 = | 0.0000 | 42074 = | 0.00 |
| 42015 = |          | 42035 = |        | 42055 = |        | 42075 = |      |
| 42016 = | 0.0000   | 42036 = | 0.0000 | 42056 = | 0.0000 | 42076 = | 0.00 |
| 42017 = |          | 42037 = |        | 42057 = |        | 42077 = |      |
| 42018 = | 0.0000   | 42038 = | 0.0000 | 42058 = | 0.0000 | 42078 = | 0.00 |
| 42019 = |          | 42039 = |        | 42059 = |        | 42079 = |      |

For Help, press F1. For Edit, double click on a value.

42002=7.9, charging current=7.9A。 data type: 32-bit float inverse

42004=125.5, charging voltage=125.5V。 data type: 32-bit float inverse

Modbus Poll - [Mbpoll1]

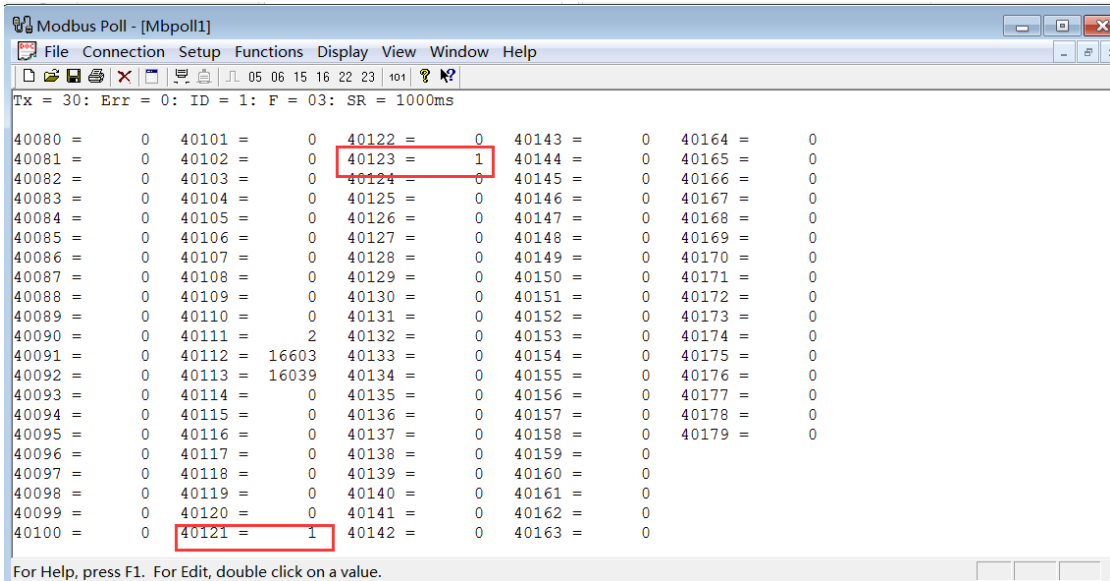
File Connection Setup Functions Display View Window Help

Tx = 41: Err = 0: ID = 1: F = 03: SR = 1000ms

|         |   |         |   |         |   |         |   |         |   |
|---------|---|---------|---|---------|---|---------|---|---------|---|
| 40480 = | 0 | 40501 = | 6 | 40522 = | 0 | 40543 = | 0 | 40564 = | 0 |
| 40481 = | 0 | 40502 = | 0 | 40523 = | 0 | 40544 = | 0 | 40565 = | 0 |
| 40482 = | 0 | 40503 = | 0 | 40524 = | 0 | 40545 = | 0 | 40566 = | 0 |
| 40483 = | 0 | 40504 = | 0 | 40525 = | 0 | 40546 = | 0 | 40567 = | 0 |
| 40484 = | 0 | 40505 = | 0 | 40526 = | 0 | 40547 = | 0 | 40568 = | 0 |
| 40485 = | 0 | 40506 = | 0 | 40527 = | 0 | 40548 = | 0 | 40569 = | 0 |
| 40486 = | 0 | 40507 = | 0 | 40528 = | 0 | 40549 = | 0 | 40570 = | 0 |
| 40487 = | 0 | 40508 = | 0 | 40529 = | 0 | 40550 = | 0 | 40571 = | 0 |
| 40488 = | 0 | 40509 = | 0 | 40530 = | 0 | 40551 = | 0 | 40572 = | 0 |
| 40489 = | 0 | 40510 = | 0 | 40531 = | 0 | 40552 = | 0 | 40573 = | 0 |
| 40490 = | 0 | 40511 = | 0 | 40532 = | 0 | 40553 = | 0 | 40574 = | 0 |
| 40491 = | 0 | 40512 = | 0 | 40533 = | 0 | 40554 = | 0 | 40575 = | 0 |
| 40492 = | 0 | 40513 = | 0 | 40534 = | 0 | 40555 = | 0 | 40576 = | 0 |
| 40493 = | 0 | 40514 = | 0 | 40535 = | 0 | 40556 = | 0 | 40577 = | 0 |
| 40494 = | 0 | 40515 = | 0 | 40536 = | 0 | 40557 = | 0 | 40578 = | 0 |
| 40495 = | 0 | 40516 = | 0 | 40537 = | 0 | 40558 = | 0 | 40579 = | 0 |
| 40496 = | 0 | 40517 = | 0 | 40538 = | 0 | 40559 = | 0 |         |   |
| 40497 = | 0 | 40518 = | 0 | 40539 = | 0 | 40560 = | 0 |         |   |
| 40498 = | 0 | 40519 = | 0 | 40540 = | 0 | 40561 = | 0 |         |   |
| 40499 = | 0 | 40520 = | 0 | 40541 = | 0 | 40562 = | 0 |         |   |
| 40500 = | 0 | 40521 = | 0 | 40542 = | 0 | 40563 = | 0 |         |   |

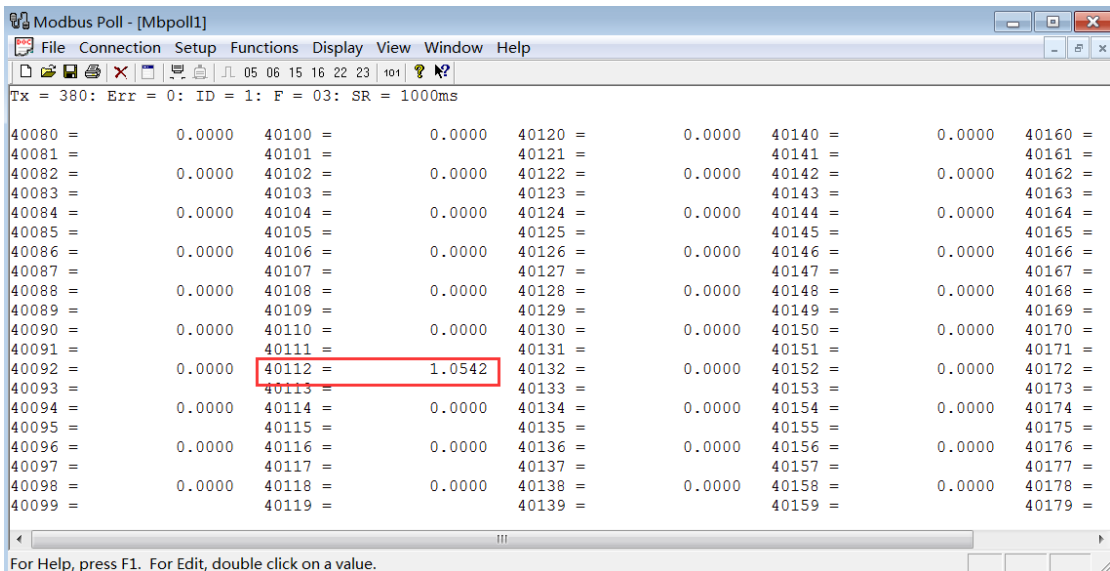
For Help, press F1. For Edit, double click on a value.

40501=6, over voltage protection, data type:16-bit unsigned

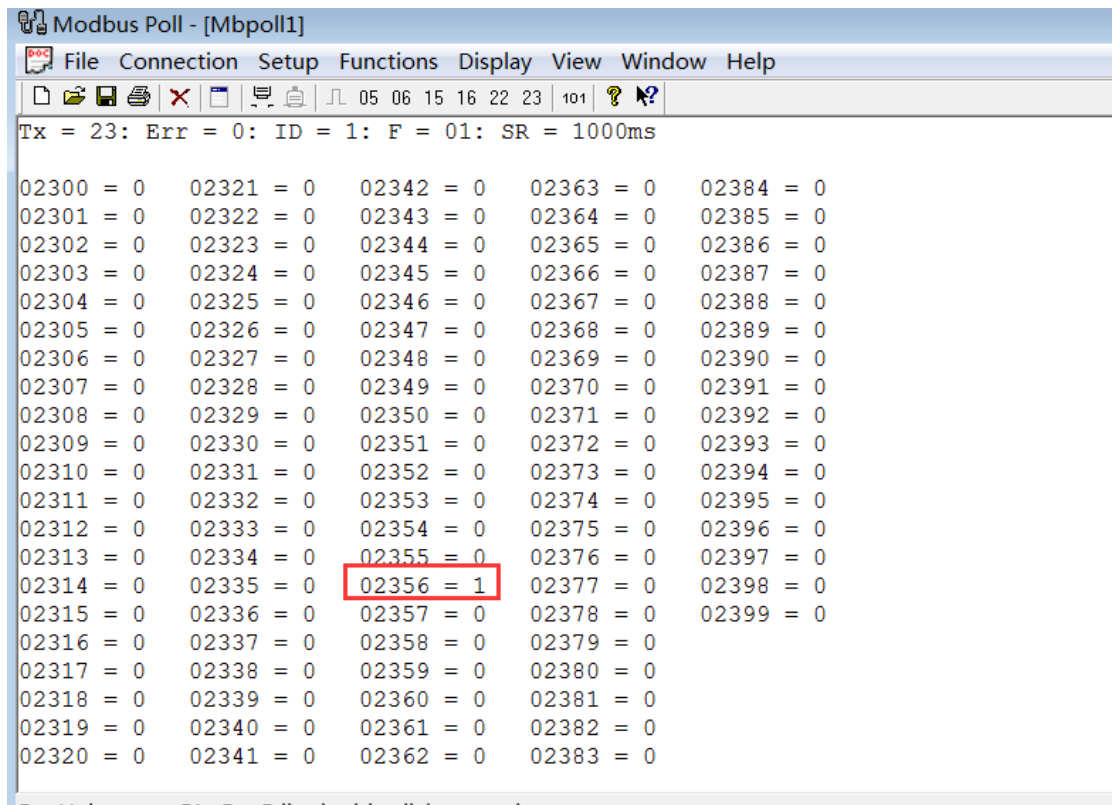


40121=1, boost, data type:16-bit unsigned

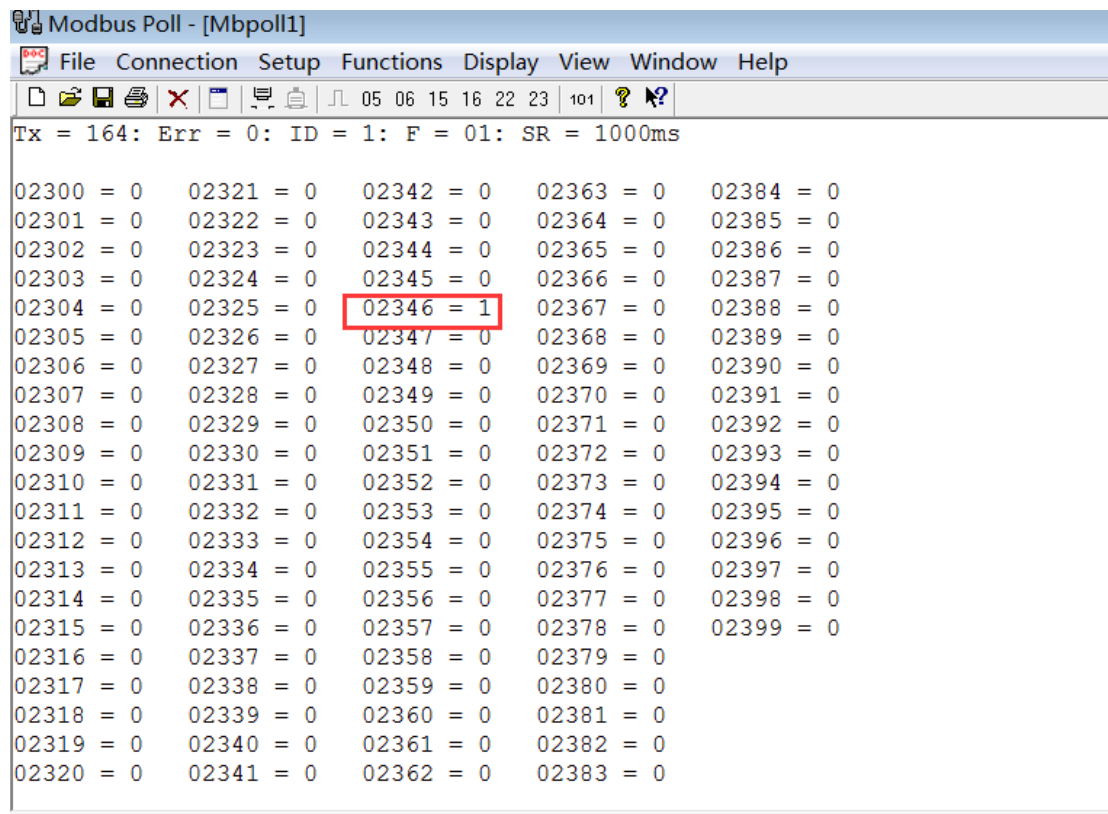
40121=1, step 1, data type:16-bit unsigned (it step 2 ,40121=2)



40112=1.0542, charging capacity=1.0542AH, data type: 32-bit float



02356=1, over voltage alarm, data type: 16-bit unsigned



02346=1, low voltage alarm, data type: 16-bit unsigned