

(communication content)

(0x03)

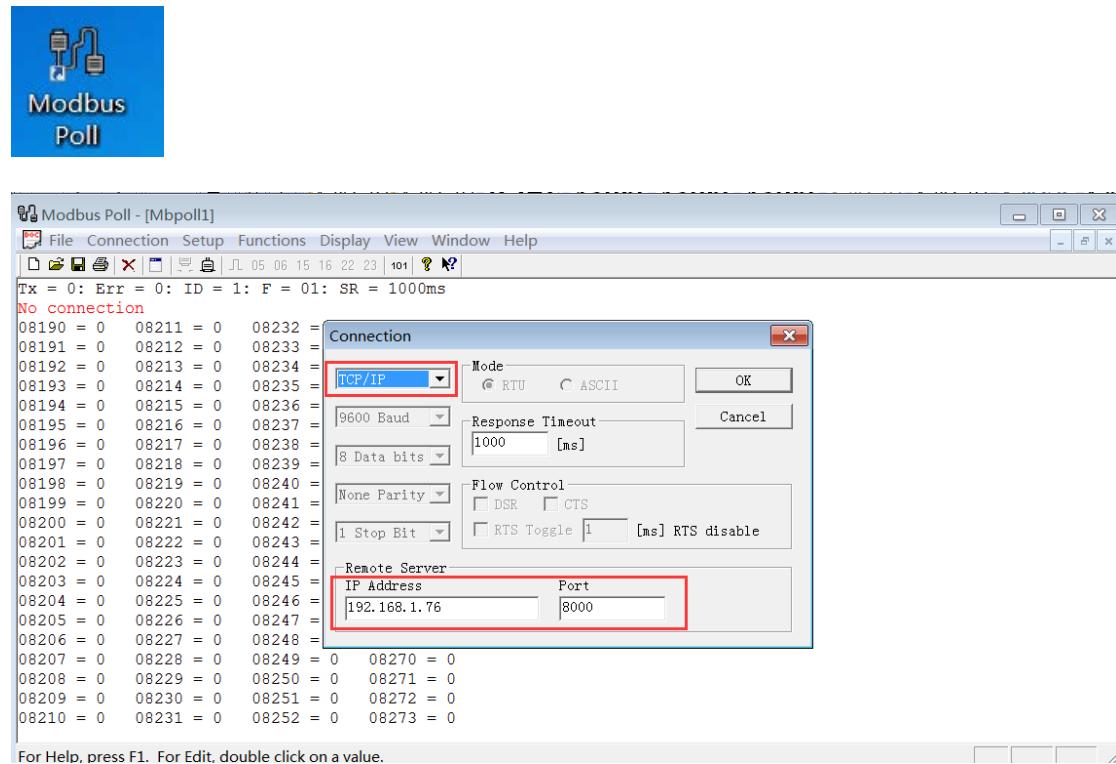
No.(Register)	Name	Data type(Hi-Lo)	Coefficient	Unit	Remark
2002	Voltage	32-bit float	0.01	V	
2000	Current	32-bit float	0.01	A	
2300	Voltage	16-bit unsigned	0.01	V	The same to 2000, but not float
2302	current	16-bit unsigned	0.01	A	The same to 2000, but not float
110	Charging time	16-bit unsigned	1	min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

(0X04)

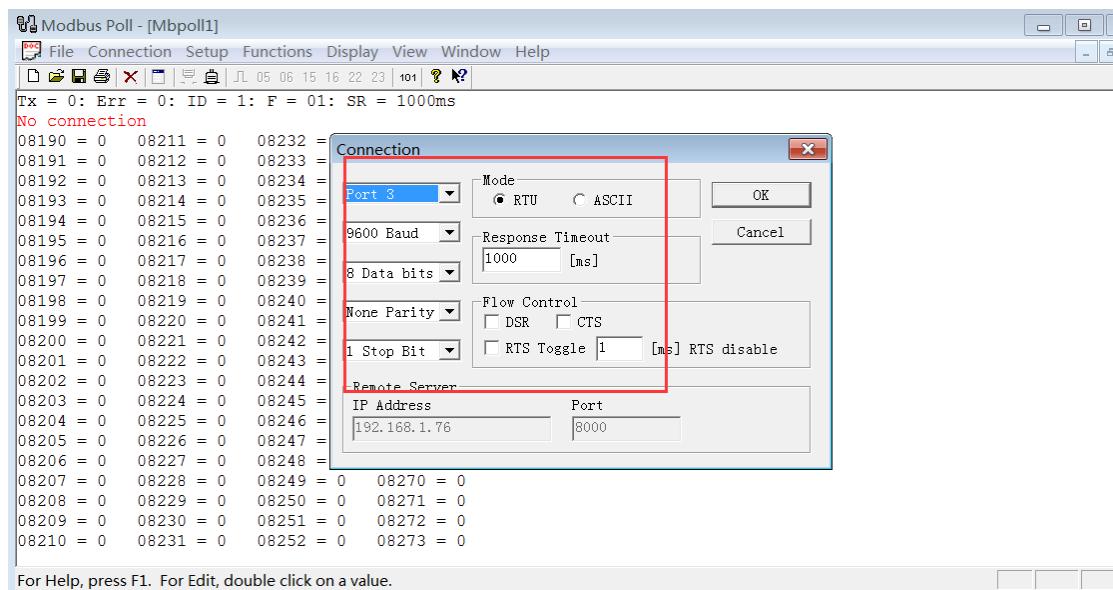
No.(Register)	Name	Data type(Hi-Lo)	Remark
500	Alarm status	16-bit unsigned	1: Lose phase protection 3: Over current protection 6: Over voltage protection 8: Three phase current unbalance 9: wrong phase 10: Over temperature

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

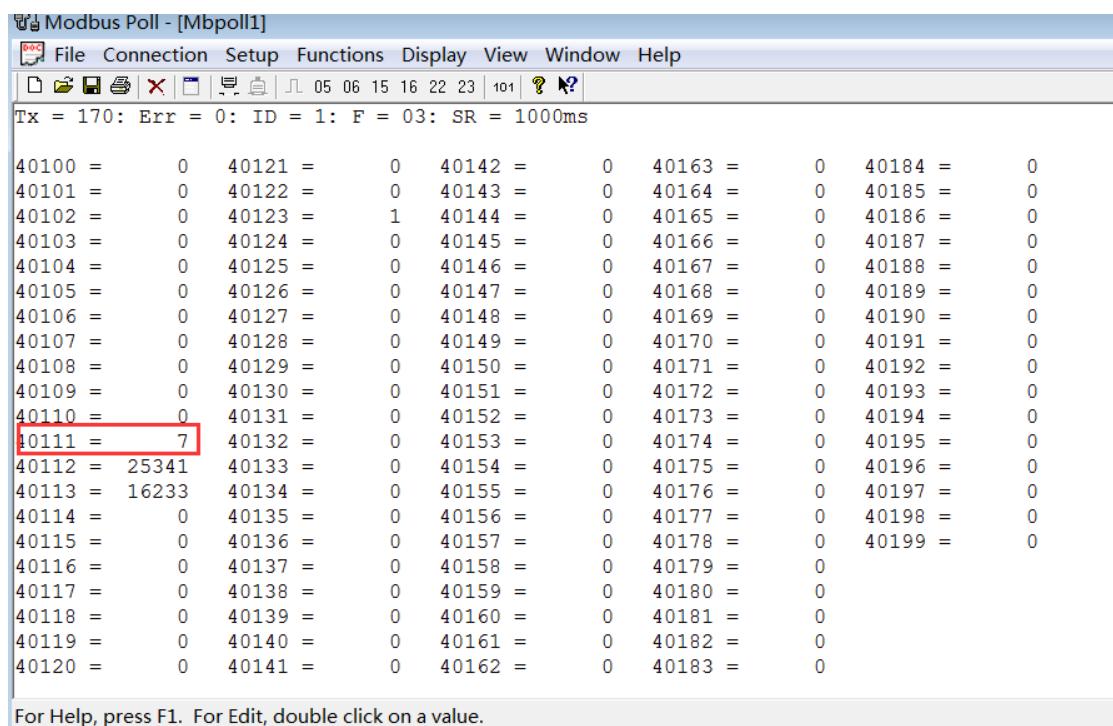
Customers can use Modbus poll; to test the communication of chargers, the following figure is the IP setup and port test of Modbus TCP/IP protocol.



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

Modbus Poll - [Mbpoll1]									
File Connection Setup Functions Display View Window Help									
 05 06 15 16 22 23 101 ? ?									
Tx = 30: Err = 0: ID = 1: F = 03: SR = 1000ms									
40080 =	0	40101 =	0	40122 =	0	40143 =	0	40164 =	0
40081 =	0	40102 =	0	40123 =	1	40144 =	0	40165 =	0
40082 =	0	40103 =	0	40124 =	0	40145 =	0	40166 =	0
40083 =	0	40104 =	0	40125 =	0	40146 =	0	40167 =	0
40084 =	0	40105 =	0	40126 =	0	40147 =	0	40168 =	0
40085 =	0	40106 =	0	40127 =	0	40148 =	0	40169 =	0
40086 =	0	40107 =	0	40128 =	0	40149 =	0	40170 =	0
40087 =	0	40108 =	0	40129 =	0	40150 =	0	40171 =	0
40088 =	0	40109 =	0	40130 =	0	40151 =	0	40172 =	0
40089 =	0	40110 =	0	40131 =	0	40152 =	0	40173 =	0
40090 =	0	40111 =	2	40132 =	0	40153 =	0	40174 =	0
40091 =	0	40112 =	16603	40133 =	0	40154 =	0	40175 =	0
40092 =	0	40113 =	16039	40134 =	0	40155 =	0	40176 =	0
40093 =	0	40114 =	0	40135 =	0	40156 =	0	40177 =	0
40094 =	0	40115 =	0	40136 =	0	40157 =	0	40178 =	0
40095 =	0	40116 =	0	40137 =	0	40158 =	0	40179 =	0
40096 =	0	40117 =	0	40138 =	0	40159 =	0		
40097 =	0	40118 =	0	40139 =	0	40160 =	0		
40098 =	0	40119 =	0	40140 =	0	40161 =	0		
40099 =	0	40120 =	0	40141 =	0	40162 =	0		
40100 =	0	40121 =	1	40142 =	0	40163 =	0		

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

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

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

Modbus Poll - [Mbpoll1]									
File Connection Setup Functions Display View Window Help									
 05 06 15 16 22 23 101 ? ?									
Tx = 380: Err = 0: ID = 1: F = 03: SR = 1000ms									
40080 =	0.0000	40100 =	0.0000	40120 =	0.0000	40140 =	0.0000	40160 =	
40081 =		40101 =		40121 =		40141 =		40161 =	
40082 =	0.0000	40102 =	0.0000	40122 =	0.0000	40142 =	0.0000	40162 =	
40083 =		40103 =		40123 =		40143 =		40163 =	
40084 =	0.0000	40104 =	0.0000	40124 =	0.0000	40144 =	0.0000	40164 =	
40085 =		40105 =		40125 =		40145 =		40165 =	
40086 =	0.0000	40106 =	0.0000	40126 =	0.0000	40146 =	0.0000	40166 =	
40087 =		40107 =		40127 =		40147 =		40167 =	
40088 =	0.0000	40108 =	0.0000	40128 =	0.0000	40148 =	0.0000	40168 =	
40089 =		40109 =		40129 =		40149 =		40169 =	
40090 =	0.0000	40110 =	0.0000	40130 =	0.0000	40150 =	0.0000	40170 =	
40091 =		40111 =		40131 =		40151 =		40171 =	
40092 =	0.0000	40112 =	1.0542	40132 =	0.0000	40152 =	0.0000	40172 =	
40093 =		40113 =		40133 =		40153 =		40173 =	
40094 =	0.0000	40114 =	0.0000	40134 =	0.0000	40154 =	0.0000	40174 =	
40095 =		40115 =		40135 =		40155 =		40175 =	
40096 =	0.0000	40116 =	0.0000	40136 =	0.0000	40156 =	0.0000	40176 =	
40097 =		40117 =		40137 =		40157 =		40177 =	
40098 =	0.0000	40118 =	0.0000	40138 =	0.0000	40158 =	0.0000	40178 =	
40099 =		40119 =		40139 =		40159 =		40179 =	

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

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

Modbus Poll - [Mbpoll1]

File Connection Setup Functions Display View Window Help

Tx = 23: Err = 0: ID = 1: F = 01: SR = 1000ms

02300 = 0	02321 = 0	02342 = 0	02363 = 0	02384 = 0
02301 = 0	02322 = 0	02343 = 0	02364 = 0	02385 = 0
02302 = 0	02323 = 0	02344 = 0	02365 = 0	02386 = 0
02303 = 0	02324 = 0	02345 = 0	02366 = 0	02387 = 0
02304 = 0	02325 = 0	02346 = 0	02367 = 0	02388 = 0
02305 = 0	02326 = 0	02347 = 0	02368 = 0	02389 = 0
02306 = 0	02327 = 0	02348 = 0	02369 = 0	02390 = 0
02307 = 0	02328 = 0	02349 = 0	02370 = 0	02391 = 0
02308 = 0	02329 = 0	02350 = 0	02371 = 0	02392 = 0
02309 = 0	02330 = 0	02351 = 0	02372 = 0	02393 = 0
02310 = 0	02331 = 0	02352 = 0	02373 = 0	02394 = 0
02311 = 0	02332 = 0	02353 = 0	02374 = 0	02395 = 0
02312 = 0	02333 = 0	02354 = 0	02375 = 0	02396 = 0
02313 = 0	02334 = 0	02355 = 0	02376 = 0	02397 = 0
02314 = 0	02335 = 0	02356 = 1	02377 = 0	02398 = 0
02315 = 0	02336 = 0	02357 = 0	02378 = 0	02399 = 0
02316 = 0	02337 = 0	02358 = 0	02379 = 0	
02317 = 0	02338 = 0	02359 = 0	02380 = 0	
02318 = 0	02339 = 0	02360 = 0	02381 = 0	
02319 = 0	02340 = 0	02361 = 0	02382 = 0	
02320 = 0	02341 = 0	02362 = 0	02383 = 0	

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

Modbus Poll - [Mbpoll1]

File Connection Setup Functions Display View Window Help

Tx = 164: Err = 0: ID = 1: F = 01: SR = 1000ms

02300 = 0	02321 = 0	02342 = 0	02363 = 0	02384 = 0
02301 = 0	02322 = 0	02343 = 0	02364 = 0	02385 = 0
02302 = 0	02323 = 0	02344 = 0	02365 = 0	02386 = 0
02303 = 0	02324 = 0	02345 = 0	02366 = 0	02387 = 0
02304 = 0	02325 = 0	02346 = 1	02367 = 0	02388 = 0
02305 = 0	02326 = 0	02347 = 0	02368 = 0	02389 = 0
02306 = 0	02327 = 0	02348 = 0	02369 = 0	02390 = 0
02307 = 0	02328 = 0	02349 = 0	02370 = 0	02391 = 0
02308 = 0	02329 = 0	02350 = 0	02371 = 0	02392 = 0
02309 = 0	02330 = 0	02351 = 0	02372 = 0	02393 = 0
02310 = 0	02331 = 0	02352 = 0	02373 = 0	02394 = 0
02311 = 0	02332 = 0	02353 = 0	02374 = 0	02395 = 0
02312 = 0	02333 = 0	02354 = 0	02375 = 0	02396 = 0
02313 = 0	02334 = 0	02355 = 0	02376 = 0	02397 = 0
02314 = 0	02335 = 0	02356 = 0	02377 = 0	02398 = 0
02315 = 0	02336 = 0	02357 = 0	02378 = 0	02399 = 0
02316 = 0	02337 = 0	02358 = 0	02379 = 0	
02317 = 0	02338 = 0	02359 = 0	02380 = 0	
02318 = 0	02339 = 0	02360 = 0	02381 = 0	
02319 = 0	02340 = 0	02361 = 0	02382 = 0	
02320 = 0	02341 = 0	02362 = 0	02383 = 0	

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