

## SYNTAX TO SEND ASCII COMMAND (Note : Data bit on COM port = 7)

:	Colon start code
ADDRESS	ModBus address
TUNNEL CODE	0x41
COMMAND CODE	ASCII CODE for command (W for write , R for read)
DATA1....DATAn	DATA
ENTER	0x0D
CRC	CRC calculated as 2 complement of 8 bit data sum from ADDRESS to ENTER

THIS EXAMPLE EXPLAIN THE SEQUENCE TO WRITE 300 mA AS END OF CHARGE CURRENT. REGISTER TO WRITE IS 52.TOTAL CHAR SENT 27

STRING TO SEND : W052=300<ENTER>

- 1) PC->BATTERY :0241573035323D3330300DF2<CR><LF> CRC is F2 calculated as --> [NOT[((02+41+57+30+35+32+3D+33+30+30+0D) AND 0xFF)]]+1
- 2) BATTERY->PC :0241573035323D3330300DF2<CR><LF>

THIS EXAMPLE EXPLAIN THE SEQUENCE TO READ END OF CHARGE CURRENT. REGISTER TO READ IS 52

STRING TO SEND : R052<ENTER>

- 1) PC->BATTERY :0241523035320DC7<CR><LF>
- 2) BATTERY->PC :0241523035320DC7<CR><LF>
- 3) PC->BATTERY :0241BD<CR><LF> Get Data
- 4) BATTERY->PC :0241303532203D203330300D09<CR><LF> 052 = 300

## SYNTAX TO SEND RTU COMMAND (Note : Data bit on COM port = 8)

ADDRESS	ModBus address
0x41	TUNNEL CODE
COMMAND CODE	HEX ASCII CODE for command (W for write , R for read)
DATA1....DATAn	DATA
ENTER	0x0D
CRC	CRC 16 bit compliant to MODBUS standard ( <a href="http://www.tahapaksu.com/crc/">http://www.tahapaksu.com/crc/</a> )

THIS EXAMPLE EXPLAIN THE SEQUENCE TO WRITE 300 mA AS END OF CHARGE CURRENT. REGISTER TO WRITE IS 52. TOTAL 13 CHAR SENT

STRING TO SEND : W052=300<ENTER>

- 1) PC->BATTERY 02 41 57 30 35 32 3D 33 30 30 0D 51 30
- 2) BATTERY->PC 02 41 57 30 35 32 3D 33 30 30 0D 51 30

THIS EXAMPLE EXPLAIN THE SEQUENCE TO READ END OF CHARGE CURRENT. REGISTER TO READ IS 52

STRING TO SEND : R052<ENTER>

- 1) PC->BATTERY 02 41 52 30 35 32 0D 45 B6 R052
- 2) BATTERY->PC 02 41 52 30 35 32 0D 45 B6 R052
- 3) PC->BATTERY 02 41 C0 E0 Get Data
- 4) BATTERY->PC 02 41 30 35 32 20 3D 20 33 30 30 0D 5B FD 052 = 300
- 5) PC->BATTERY 02 41 C0 E0 Get Data
- 6) BATTERY->PC 02 41 30 30 30 30 31 30 20 63 68 61 72 73 20 61 6E 73 77 65 72 65 64 2E 20 52 65 61 64 79 2E 0D A5 9D 000010 chars answered. Ready.

IF THE MODIFICATION MUST BE KEPT EVEN AFTER A RESET OF THE BMS

STRING TO SEND : ACT->FLASH<ENTER>

- 7) PC->BATTERY 02 41 41 43 54 2D 3E 46 4C 41 53 48 0D 85 B2 ACT->FLASH
- 8) BATTERY->PC 02 41 41 43 54 2D 3E 46 4C 41 53 48 0D 85 B2 ACT->FLASH