

ModeBus Protocol

1) Baud Rate : 9600,8,N,1

2) Transmission Mode:RTU

3) Command-0x04 4)

Data Define:

00:Ac Vol	Utility voltage
01:Ac Freq	Utility frequency
02:Bat Vol	battery voltage
03:Bat Charge Current	battery charger current
04:Bat Out Current	battery discharger current
05:Inverter VOI	inverter voltage
06:Inverter Freq	inverter frequency
07:Run Mode	Current machine operating mode 0, 1 Standby mode 2=inverter 3=untility, 4=fault
08:Load Percent	loads percent
09:Load w	loads W
10:Out Current	
11:Fault code	
12:Warring code	
13:Pv Vol	
14:Pv Current	
15:Pv Status	
16:PV W	
17:Machine	

Fault code list :

1 : BUS overvoltage

2 : Inverter voltage is too high

3 : Inverter voltage is too low

4 : BUS fault

5 : overlaod

6 : The output short circuit

7 : Battery voltage is too low

8 : Inverter soft start failure

9 : Bus voltage is too low

10 : Parallel fault

11 : Over temperature

Warning code list

- 1** : Battery voltage is too low
- 2** : Input voltage is too low
- 3** : Utility high voltage
- 4** : Overloads
- 5** Over temperature
- 6** : fans warning
- 7** : battery over voltage

PV warning :

- 1** : PV under-voltage
- 2** : PV over-voltage
- 3** : PV over temperature
- 4** : PV over current
- 5** : PV over loads
- 6** : PV Boost failed

Special instructions,Address instruction

Send 41 44 44 30 31 0D

(ADD01)

Set the current machine address to 01

Read data from addresses 0-17

Send 01 04 00 00 00 12 70 07