

MODBUS REGISTER LIST OF String Inverter Single PHASE (SLAVE ID: 2)

Slave ID=2,BAUD RATE=9600, parity=none, data Bits= 8 bit, stop Bit=1

S.No.	Parameter Name	Parameter Type	ADDRESS	SCALING	UNIT
1	Inverter Voltage	16-bit unsigned int	40001	VALUE / 10	VOLT
2	Inverter Current	16-bit unsigned int	40002	VALUE / 100	AMP
3	Inverter Frequency	16-bit unsigned int	40003	VALUE / 100	Hz
3	Grid Voltage	16-bit unsigned int	40004	VALUE / 10	VOLT
4	Grid Frequency	16-bit unsigned int	40005	VALUE / 100	Hz
5	Power Factor	16-bit unsigned int	40006	VALUE / 100	
6	DC Voltage	16-bit unsigned int	40007	VALUE / 10	VOLT
7	PV Voltage	16-bit unsigned int	40008	VALUE / 10	VOLT
8	PV Amp	16-bit unsigned int	40009	VALUE / 10	AMP
9	PV Power	16-bit unsigned int	40010	VALUE / 10	WATT
10	Inverter Temperature	16-bit unsigned int	40011	VALUE/100	Deg C
11	Export Power	16-bit unsigned int	40012	VALUE	Watt
12	Total Solar kWh	32-bit unsigned int	40013-40014	VALUE	kWh
13	Status- 1	16-bit unsigned int	40015	bitwise given below in table	
14	Status-2	16-bit unsigned int	40016	bitwise given below in table	
	Status-3	16-bit unsigned int	40017	bitwise given below in table	

Status 1

Remark

bit 0	Grid OV	1 = Overvoltage
bit 1	Grid UV	1 = Under voltage
bit 2	Grid OF	1 = Over frequency
bit 3	Grid UF	1 = Under frequency
bit 4	Inverter OC	1 = Over current
bit 5	Differential Current	1 = Inv current unbalance
bit 6	Temperature	1 = Over temp
bit 7	null	ALWAYS 0

Status 2

Remark

bit 0	PV OV PV	1 = Overvoltage 1 =
bit 1	UV PV OC	Under voltage 1 = Over
bit 2	DC bus OV	current 1 = Over voltage
bit 3	DC bus UV	1 = Under voltage 1
bit 4	Earth Fault	=Earth Fault Detected
bit 5	null null	ALWAYS 0 ALWAYS 0
bit 6		
bit 7		

Status 3

Remark

bit 0	Inverter Relay status	1 = Inverter connected
bit 1	Grid Relay status	1 = Grid connected 1 =
bit 2	Inverter Status	Inverter on
bit 3	Power Factor Status	1 = Leading
bit 4	null	ALWAYS 0
bit 5	null	ALWAYS 0
bit 6	null	ALWAYS 0
bit 7	null	ALWAYS 0