11bits data (1 start bit, 8 data bit, 1 even check bit, 1 stop bit)

Communication commands will choose CRC check (2bytes)

Meter ID will use 01 as default, baud rate 9600bps, but 1200bps、 2400bps、 4800bps(option

Meter ID (default)	Function Code	Register Address	Contents	Register No.	Read/ Write	length	data mode
01	03	0000	Serial number	1	Read	4	
01	03	0002	Meter ID	2	Read	2	
01	03	0003	Baud Rate	3	Read	2	
01	03	0004	Software Version	4	Read	4	float
01	03	0006	Hardware Version	5	Read	4	float
01	03	0009	S0 output rate	7	Read	4	float
01	03	000B	Combined Code	8	Read	2	
01	03	000C	HOLIDAY-WEEKEND T	9	Read	2	
01	03	000D	Cycle time	10	Read	2	
01	03	000E	L1 Voltage	11	Read	4	float
01	03	0010	L2 Voltage	12	Read	4	float
01	03	0012	L3 Voltage	13	Read	4	float
01	03	0014	Grid Frequency	14	Read	4	float
01	03	0016	L1 Current	15	Read	4	float
01	03	0018	L2 Current	16	Read	4	float
01	03	001A	L3 Current	17	Read	4	float
01	03	001C	Total Active Power	18	Read	4	float
01	03	001E	L1 Active Power	19	Read	4	float
01	03	0020	L2 Active Power	20	Read	4	float
01	03	0022	L3 Active Power	21	Read	4	float
01	03	0024	Total reactive power	22	Read	4	float
01	03	0026	L1 reactive power	23	Read	4	float
01	03	0028	L2 reactive power	24	Read	4	float
01	03	002A	L3 reactive power	25	Read	4	float
01	03	002C	Total Apparent Power	26	Read	4	float
01	03	002E	L1 Apparent Power	27	Read	4	float
01	03	0030	L2 Apparent Power	28	Read	4	float
01	03	0032	L3 Apparent Power	29	Read	4	float
01	03	0034	Total Power Factor	30	Read	4	float
01	03	0036	Power Factor	31	Read	4	float
01	03	0038	Power Factor	32	Read	4	float
01	03	003A	Power Factor	33	Read	4	float
01	03	003C	Time	34	Read	8	
01	03	0040	Season ON/OFF	35	Read	2	
01	03	0041	CRC CODE	36	Read	2	

Correct Respond: 01(default) 03 02 data H 8bits data L 8bits CRC CRC

Incorrect Respond: 01(default) 83 wrong information code (address error and CRC error

Meter ID (default)	Function Code	Register Address	Contents	Register No.	Read/ Write	length	data mode
01	03	0100	Total Active Energy	35	Read	4	float
01	03	0102	L1 Total Active Energy	36	Read	4	float
01	03	0104	L2 Total Active Energy	37	Read	4	float
01	03	0106	L3 Total Active Energy	38	Read	4	float
01	03	0108	Forward Active Energy	39	Read	4	float
01	03	010A	L1 Forward Active Energy	40	Read	4	float
01	03	010C	L2 Forward Active Energy	41	Read	4	float
01	03	010E	L3 Forward Active Energy	42	Read	4	float

01	03	0110	Reverse Active Energy	43	Read	4	float
01	03	0112	L1 Reverse Active Energy	44	Read	4	float
01	03	0114	L2 Reverse Active Energy	45	Read	4	float
01	03	0116	L3 Reverse Active Energy	46	Read	4	float
01	03	0118	Total Reactive Energy	47	Read	4	float
01	03	011A	L1 Reactive Energy	48	Read	4	float
01	03	011C	L2 Reactive Energy	49	Read	4	float
01	03	011E	L3 Reactive Energy	50	Read	4	float
01	03	0120	Forward Reactive Energy	51	Read	4	float
01	03	0122	L1 Forward Reactive Energy	52	Read	4	float
01	03	0124	L2 Forward Reactive Energy	53	Read	4	float
01	03	0126	L3 Forward Reactive Energy	54	Read	4	float
01	03	0128	Reverse Reactive Energy	55	Read	4	float
01	03	012A	L1 Reverse Reactive Energy	56	Read	4	float
01	03	012C	L2 Reverse Reactive Energy	57	Read	4	float
01	03	012E	L3 Reverse Reactive Energy	58	Read	4	float
01	03	0130	T1 Total Active Energy	59	Read	4	float
01	03	0132	T1 Forward Active Energy	60	Read	4	float
01	03	0134	T1 Reverse Active Energy	61	Read	4	float
01	03	0136	T1 Total Reactive Energy	62	Read	4	float
01	03	0138	T1 Forward Reactive Energy	63	Read	4	float
01	03	013A	T1 Reverse Reactive Energy	64	Read	4	float
01	03	013C	T2 Total Active Energy	65	Read	4	float
01	03	013E	T2 Forward Active Energy	66	Read	4	float
01	03	0140	T2 Reverse Active Energy	67	Read	4	float
01	03	0142	T2 Total Reactive Energy	68	Read	4	float
01	03	0144	T2 Forward Reactive Energy	69	Read	4	float
01	03	0146	T2 Reverse Reactive Energy	70	Read	4	float
01	03	0148	T3 Total Active Energy	71	Read	4	float
01	03	014A	T3 Forward Active Energy	72	Read	4	float
01	03	014C	T3 Reverse Active Energy	73	Read	4	float
01	03	014E	T3 Total Reactive Energy	74	Read	4	float
01	03	0150	T3 Forward Reactive Energy	75	Read	4	float
01	03	0152	T3 Reverse Reactive Energy	76	Read	4	float
01	03	0154	T4 Total Active Energy	77	Read	4	float
01	03	0156	T4 Forward Active Energy	78	Read	4	float
01	03	0158	T4 Reverse Active Energy	79	Read	4	float
01	03	015A	T4 Total Reactive Energy	80	Read	4	float
01	03	015C	T4 Forward Reactive Energy	81	Read	4	float
01	03	015E	T4 Reverse Reactive Energy	82	Read	4	float
01	03	0300	TIME interval 1	83	Read	24	
01	03	030C	TIME interval 2	84	Read	24	
01	03	0318	TIME interval 3	85	Read	24	
01	03	0324	TIME interval 4	86	Read	24	
01	03	0330	TIME interval 5	87	Read	24	
01	03	033C	TIME interval 6	88	Read	24	
01	03	0348	TIME interval 7	89	Read	24	
01	03	0354	TIME interval 8	90	Read	24	
01	03	0360	TIME zone	91	Read	24	

Correct Respond: 01(default) 03 04 data H 8bits data L 8bits CRC CRC
Incorrect Respond: 01(default) 83 Wrong information code(address error and CRC error i

01	06	0002	Meter ID	1	Write	2	

01	06	0003	Baud Rate	2	Write	2	
01	10	0009	SO OUTPUT	4	Write	4	float
01	06	000B	Combined Code	5	Write	2	
01	06	000C	HOLIDAY-WEEKEND T	6	Write	2	
01	06	000D	Cycle time	7	Write	2	
01	10	003C	Time	8	Write	8	
01	10	0300	TIME interval 1	9	Write	24	
01	10	030C	TIME interval 2	10	Write	24	
01	10	0318	TIME interval 3	11	Write	24	
01	10	0324	TIME interval 4	12	Write	24	
01	10	0330	TIME interval 5	13	Write	24	
01	10	033C	TIME interval 6	14	Write	24	
01	10	0348	TIME interval 7	15	Write	24	
01	10	0354	TIME interval 8	16	Write	24	
01	10	0360	TIME zone	17	Write	24	

Correct Respond: 01(default) 06 register address H 8bits register address L 8bits data
Incorrect Respond: 01(default) 86 Wrong information code (address error and CRC erro

Wrong Function Code
01   The received function code is invalid
02   Received register address is not exsiting
03   The received data is not comply with the requirement, generally writing data
04   Equipment error, this program is not used