Modbus Modbus Register list

(1) 0x50-0x69 If need can be settable.

(2) The data collected for voltage, current, active power, reactive power, and apparent power are initial data. For example, the current is: the meter displays B-phase current 100A, and the B-phase current (0x04) read data is 5A, which needs to be multiplied by Take the set transformation ratio (0x5A) as the terminal data, and so on for other data.

（List one）

Addres(HEX)	Addres(DEC)	Data content	Data Format	Data length	Description
0x00	0	Ua	int	1	Phase voltage data, Unit:0.1V
0x01	1	Ub	int	1	
0x02	2	Uc	int	1	
0x03	3	Ia	int	1	Current data, Unit : 0.001A
0x04	4	Ib	int	1	
0x05	5	Ic	int	1	
0x06	6	In	int	1	
0x07	7	P	int	1	Active Power, Unit : W
0x08	8	Pa	int	1	
0x09	9	Pb	int	1	
0x0A	10	Pc	int	1	
0x0B	11	Q	int	1	Reactive Power, Unit : Var
0x0C	12	Qa	int	1	
0x0D	13	Qb	int	1	
0x0E	14	Qc	int	1	
0x0F	15	S	int	1	Apparent power, Unit : VA
0x10	16	Sa	int	1	
0x11	17	Sb	int	1	
0x12	18	Sc	int	1	
0x13	19	PSum	int	1	Power Factor 0-1000, fixed format: 1.000
0x14	20	PFa	int	1	
0x15	21	PFb	int	1	
0x16	22	PFc	int	1	
0x17	23	Uab	int	1	Line voltage data, Unit : 0.1V
0x18	24	Ubc	int	1	
0x19	25	Uca	int	1	

0x1A	26	Fa	int	1	Grid frequency, Unit:0.01Hz
0x1B	27	Fb	int	1	
0x1C	28	Fc	int	1	
0x1D	29	Ep+	long	2	Positive active energy,Unit:0.01kWh
0x1F	31	Ep-	long	2	Positive reactive energy,Unit:0.01kWh
0x21	33	Eq+	long	2	Reverse active energy, Unit:0.01kvarh
0x23	35	Eq-	long	2	Reverse reactive energy,Unit0.01kvarh
0x25	37	Ep1+	long	2	(top)Positive active energy,Unit:0.01kWh
0x27	39	Ep1-	long	2	(Peak)Positive active energy,Unit:Wh
0x29	41	Eq1+	long	2	(Normal) Positive active energy, Unit0.01kWh
0x2B	43	Eq1-	long	2	(valley) Positive active energy, Unit0.01kWh
0x2D	45	Ep2+	long	2	(top)Positive reactive energy,Unit:0.01kWh
0x2F	47	Ep2-	long	2	Peak)Positive reactive energy,Unit:Wh
0x31	49	Eq2+	long	2	(Normal) Positive active energy Unit0.01kWh
0x33	51	Eq2-	long	2	(valley) Positive active energy Unit0.01kWh
0x35	53	Ep3+	long	2	(top) Reverse active energy, Unit:0.01kWh
0x37	55	Ep3-	long	2	(peak) Reverse active energy,Unit:0.01kWh
0x39	57	Eq3+	long	2	(Normal) Reverse active energy, Unit:0.01kvarh

0x3B	59	Eq3-	long	2	(valley) Reverse active energy, Unit:Wh
0x3D	61	Ep4+	long	2	(top)Reverse reactive energy, Unit:0.01kWh
0x3F	63	Ep4-	long	2	(Peak)Reverse reactive energy, Unit:0.01kWh
0x41	65	Eq4+	long	2	(Normal)Reverse reactive energy, Unit:01kvarh
0x43	67	Eq4-	long	2	(valley) Reverse reactive energy, Unit:0.01kWh
0x44	68	FS_OUTPUT		1	Remote Signal
0x45	69	FS_INPUT		1	Remote Control
0x46	70	DO	int	1	Relay output status bit0-3 No. 1-4
0x47	71	DI	int	1	Switch input bit0-11 No. 1-12
0x48-0x4F	72-79	keep			
0x50	80	CODE	int	1	User programming password
0x51	81	COM	int	2	Com setting,int 1-4 is address, baud rate, check, reserved
0x53	83		int	2	
0x55	85	INPUT	int	2	Input seting,int 1-4 is wiring,voltage range、current range, reserved
0x57	87		int	2	
0x59	89	PT	int	1	Voltage transformation ratio
0x5A	90	CT	int	1	Current transformation ratio
0x5B	91	DOSET1	int	2	Alarm setting int 1-2 is Relay working mode、Alarm mode setting
0x5D	93	DOSET2	int	2	
0x5F	95	DOSET3	int	2	
0x61	97	DOSET4	int	2	

0x63	91	AOSET1	int	2	Transmission setting int 1-2 is Analog quantity transmission mode、 transmission mode setting value
0x65	93	AOSET2	int	2	
0x67	95	AOSET3	int	2	
0x69	97	AOSET4	int	2	
0x6A-0x6F		keep			
0x70	112	THDUa	int	1	A phase voltage total harmonic content
0x71	113	THDUb	int	1	B phase voltage total harmonic content
0x72	114	THDUc	int	1	C phase voltage total harmonic content
0x73	115	THDIa	int	1	A phase current total harmonic content
0x74	116	THDIb	int	1	B phase current total harmonic content
0x75	117	THDIc	int	1	C phase current total harmonic content
0x76-0x93	118-147	HUa	int	1	Phase A voltage 2-31 harmonic content
0x94-0xB1	148-177	Hub	int	1	Phase B voltage 2-31 harmonic content
0xB2-0xCF	178-207	HUc	int	1	Phase C voltage 2-31 harmonic content
0xD0-0xED	208-237	HIa	int	1	Phase A current 2-31 harmonic content
0xEE-0x10B	238-267	HIa	int	1	Phase B current 2-31 harmonic content
0x10C-0x129	268-297	HIa	int	1	Phase C current 2-31 harmonic content
0x12A	298		int	1	A phase voltage odd order total distortion rate
0x12B	299		int	1	A phase voltage even times total distortion rate
0x12C	300		int	1	B phase voltage odd order total distortion rate
0x12D	301		int	1	B phase voltage even times total distortion rate
0x12E	302		int	1	C phase voltage odd order total distortion rate
0x12F	303		int	1	C phase voltage even times total distortion rate
0x130	304		int	1	A phase current odd order total distortion rate
0x131	305		int	1	A phase current even times total distortion rate
0x132	306		int	1	B phase current odd order total distortion rate
0x133	307		int	1	B phase current even times total distortion rate

0x134	308		int	1	C phase current odd order total distortion rate
0x135	309		int	1	C phase current even times total distortion rate
0x136	310		int	1	Voltage unbalance
0x137	311		int	1	Current unbalance
0x136-0x14F		Reserved			