

Category	Signal Name	Read/Write (R/W)	Type	Unit	Gain	Register Address	Quantity	Default Value	Range
Characteristic data	Model	RO	STR	N/A	N/A	30222	20		
Sampled data	Inverter total absorbed energy	RO	U64	kWh	100	30302	4		
Sampled data	Energy charged today	RO	U32	kWh	100	30306	2		
Sampled data	Total charged energy	RO	U64	kWh	100	30308	4		
Sampled data	Energy discharged today	RO	U32	kWh	100	30312	2		
Sampled data	Total discharged energy	RO	U64	kWh	100	30314	4		
Sampled data	ESS chargeable energy	RO	U32	kWh	1000	30318	2		
Sampled data	ESS dischargeable energy	RO	U32	kWh	1000	30320	2		
Sampled data	Rated ESS capacity	RO	U32	kWh	1000	30322	2		
Sampled data	Consumption today	RO	U32	kWh	100	30324	2		
Sampled data	Total energy consumption	RO	U64	kWh	100	30326	4		
Sampled data	Feed-in to grid today	RO	U32	kWh	100	30330	2		

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Sam pled data	Total feed-in to grid	RO	U64	kW h	100	303 32	4		
Sam pled data	Supply from grid today	RO	U32	kW h	100	303 36	2		
Sam pled data	Total supply from grid	RO	U64	kW h	100	303 38	4		
Sam pled data	Inverter energy yield today	RO	U32	kW h	100	303 42	2		
Sam pled data	Inverter total energy yield	RO	U32	kW h	100	303 44	2		
Sam pled data	PV yield today	RO	U32	kW h	100	303 46	2		
Sam pled data	Total PV energy yield	RO	U64	kW h	100	303 48	4		
Sam pled data	PV output power	RO	U32	kW	100 0	303 54	2		
Sam pled data	Load power	RO	U32	kW	100 0	303 56	2		
Sam pled data	Feed-in power	RO	I32	kW	100 0	303 58	2		
Sam pled data	Battery charge/ discharge power	RO	I32	kW	100 0	303 60	2		
Sam pled data	Inverter rated power	RO	U32	kW	100 0	303 62	2		

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Sam pled data	Inverter active power	RO	I32	kW	100 0	303 64	2		
Sam pled data	SOC	RO	U16	%	100	303 68	1		
Sam pled data	ESS chargeable capacity	RO	U32	kW h	100 0	303 69	2		
Sam pled data	ESS dischargeable capacity	RO	U32	kW h	100 0	303 71	2		
Sam pled data	Backup power SOC	RO	U16	%	100	303 73	1		
Sam pled data	Yield this month	RO	U32	kW h	100	303 80	2		
Sam pled data	Monthly energy consumption	RO	U32	kW h	100	303 82	2		
Sam pled data	Monthly feed-in to grid	RO	U32	kW h	100	303 84	2		
Sam pled data	Yield this year	RO	U32	kW h	100	303 86	2		
Sam pled data	Annual energy consumption	RO	U32	kW h	100	303 88	2		
Sam pled data	Yearly feed-in to grid	RO	U32	kW h	100	303 90	2		
Sam pled data	Monthly supply from grid	RO	U32	kW h	100	303 94	2		

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Sam pled data	Yearly supply from grid	RO	U32	kW h	100	303 96	2		
Sma rtGu ard	Backup time notification threshold	RO	U16	min	1	304 06	1		
Sam pled data	Energy charged this month	RO	U32	kW h	100	304 07	2		
Sam pled data	Energy discharged this month	RO	U32	kW h	100	304 09	2		
Devi ce man age men t	Number of inverters found	RO	U16	N/A	N/A	308 01	1		
Devi ce man age men t	Number of chargers found	RO	U16	N/A	N/A	308 04	1		
Devi ce man age men t	Subdevice presence flag	RO	Bitfie ld32	N/A	N/A	308 11	2		Bit 0: SmartGu ard
Tim e man age men t	DST state	RO	U16	N/A	N/A	310 02	1		0: DST not started 1: DST started

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Tim e man age men t	Local time	RO	U32	N/A	N/A	310 03	2		
WiFi man age men t	WiFi-STA signal strength	RO	UINT 16	NA	NA	311 35	1		[0,4] 0: no signal
Met er man age men t	Phase A voltage of built-in electric energy sensor	RO	U32	V	100	316 39	2		
Met er man age men t	Phase B voltage of built-in electric energy sensor	RO	U32	V	100	316 41	2		
Met er man age men t	Phase C voltage of built-in electric energy sensor	RO	U32	V	100	316 43	2		
Met er man age men t	A-B line voltage of built-in electric energy sensor	RO	U32	V	100	316 45	2		
Met er man age men t	B-C line voltage of built-in electric energy sensor	RO	U32	V	100	316 47	2		

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Met er man age men t	C-A line voltage of built-in electric energy sensor	RO	U32	V	100	31649	2		
Met er man age men t	Phase A current of built-in electric energy sensor	RO	I32	A	10	31651	2		
Met er man age men t	Phase B current of built-in electric energy sensor	RO	I32	A	10	31653	2		
Met er man age men t	Phase C current of built-in electric energy sensor	RO	I32	A	10	31655	2		
Met er man age men t	Active power of built-in electric energy sensor	RO	I32	kW	1000	31657	2		
Met er man age men t	Power factor of built-in electric energy sensor	RO	I32	N/A	1000	31661	2		

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Met er man age men t	Apparent power of built-in electric energy sensor	RO	I32	kVA	1000	31663	2		
Met er man age men t	Phase A active power of built-in electric energy sensor	RO	I32	kW	1000	31665	2		
Met er man age men t	Phase B active power of built-in electric energy sensor	RO	I32	kW	1000	31667	2		
Met er man age men t	Phase C active power of built-in electric energy sensor	RO	I32	kW	1000	31669	2		
Met er man age men t	Total active energy of built-in electric energy sensor	RO	I64	kWh	100	31671	4		
Met er man age men t	Total negative active energy of built-in electric energy sensor	RO	I64	kWh	100	31679	4		