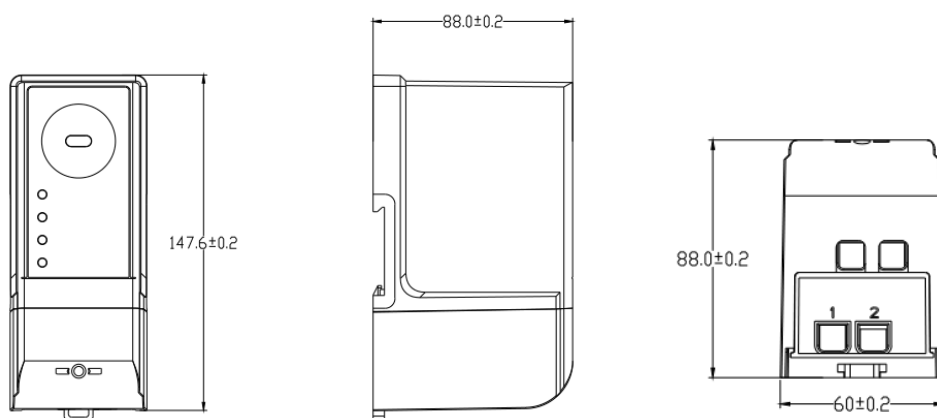
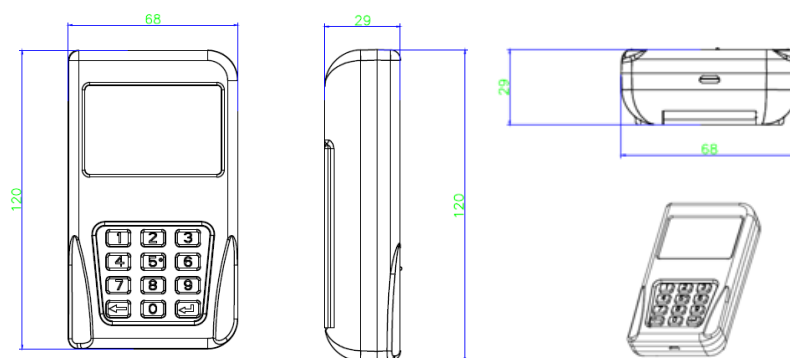


User instructions for the CA168-S Single-phase electricity meter

All Model CA168-S products are manufactured in accordance with the ISO9001 standards to ensure the reliability of the product.
meter



CIU



1. Power purchase

- (1) Please go to the local selling electricity business hall.
- (2) To provide operator meter ID number (ID number printed on the energy meter).
- (3) Tell the operator how much you want to buy and prepay.
- (4) On the receipt, you can get a printed TOKEN "20 (Digits)"

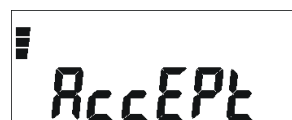


2. Input purchase TOKEN into CIU

- (1) Input 20 digits TOKEN into the CIU or meter.
- (2) Confirm the number on the LCD.
- (3) If token input is not correct, please use the keypad "back button" to delete.
- (4) After input 20 digits TOKEN, please click "Enter button", so that the token is confirmed.
- (5) If token input is correct, the LCD will display "accept" and buying power succeeds.
- (6) If token input is not correct, the LCD will display "reject".



3. Data display on LCD of CIU



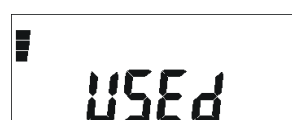
Power purchase TOKEN is correct. It will be accepted and "accept" will be displayed.



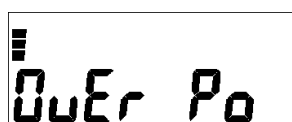
Power purchase TOKEN is incorrect. It will be rejected and "reject" will be displayed.



When "old" is displayed, it means TOKEN is out of date.



When "used" is displayed, it means the TOKEN has been used.



Overload consumption—When consumption load is over the load threshold set, "over po" will be displayed and the power will be cut off within specified time.



It shows that energy consumption is 100.00kWh and displays item code 01.

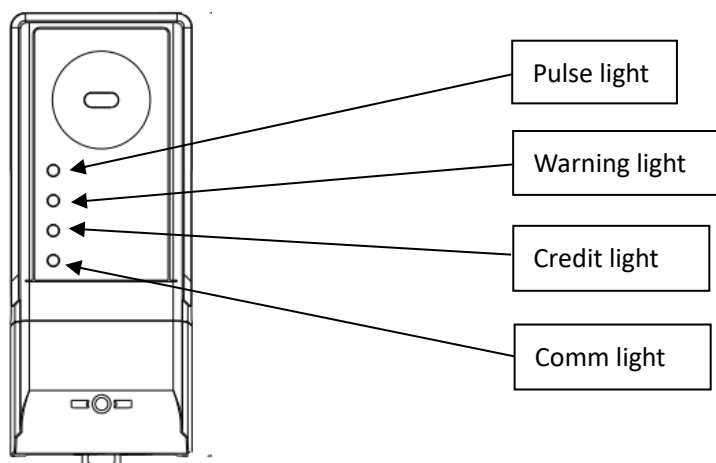


It shows the residual energy is 100.00kWh and displays item code 07.



It shows meter's current power is 1.00kW and the display item code 31.

4. LED Light



(1) The pulse light: when a user normally uses power, The light will flash according to the pulse constant of the marking.

(2) The credit indicator light: when the residual amount is lower than the alarm threshold 1, the power indicator light glows yellow light. And the meter sends out power-off signal to make load switch cut off power to remind user, Power supply can be recovered by pressing any button. When the residual amount is lower than the alarm threshold 2, the power light will glow red light.

(3) The warning indicator light: when current reverses, the alarm indicator light twinkles. When opening cover happens or the residual energy is 0, this meter will send out power-off signal to make load switch cut off power, the alarm indicator light will be turned on.

(4) The Comm indicator light: when the CIU or data concentrator communicate with the meter, the comm indicator light will blink.

5. Data item number table of meter

Display number	Meter	CIU	Display number	Meter	CIU
001	Cumulative total active kWh consumption		002	Cumulative total reverse active kWh consumption	
003	Cumulative total reactive kWh consumption		004	Cumulative total reverse reactive kWh consumption	
006	Cumulative purchased amount		007	Residual amount	
009	Date		010	Time	
011	The alarm threshold 1		012	The alarm threshold 2	
013	The alarm threshold 3		014	Load threshold	
019	Power consumption of last month		020	Power consumption of last 2nd month	
021	Power consumption of last 3rd month		022	Power consumption of last 4th month	
023	Power consumption of last 5th month		024	Power consumption of last 6th month	
025	Power consumption of last 7th month		026	Power consumption of last 8th month	
027	Power consumption of last 9th month		028	Power consumption of last 10th month	
029	Power consumption of last 11th month		030	Power consumption of last 12th month	
031	The current total active power		032	The current A phase active power	
033	The current B phase active power		034	The current C phase active power	
035	The current total power factor		036	The current A phase power factor	
037	The current B phase power factor		038	The current C phase power factor	
040	The number of meter cover open		041	The last cover open time	
042	The last 2nd cover open time		043	The last 3rd cover open time	
044	The last 4th cover open time		045	The last 5th cover open time	
046	The number of overload break power		047	the last overload time	
048	the last 2nd overload time		049	the last 3rd overload time	
050	the last 4th overload time		051	the last 5th overload time	
052	The number of power down		053	The last power downtime	
054	The last 2nd power down time		055	The last 3rd power down time	
056	The last 4th power down time		057	The last 5th power down time	
058	The number of phase down		059	The last KCT token	
060	The last 2nd KCT token		061	The last 3rd KCT token	
062	The last 4th KCT token		063	The last 5th KCT token	
065	Meter Address		070	A phase voltage	
075	Null		076	the last 1 power purchase TOKEN	
077	the last 2nd power purchase TOKEN		078	the last 3rd power purchase TOKEN	
079	the last 4th power purchase TOKEN		080	the last 5th power purchase TOKEN	
081	Last credit kWh		082	Last 2nd credit kWh	
083	Last 3rd credit kWh		084	Last 4th credit kWh	
085	Last 5th credit kWh		087	Reason for relay disconnecting	
088	Key version number		089	TI number	
090	SGC		138	KRN	