HYB1-100 photovoltaic grid-connected circuit breaker (RS-485, Bluetooth) Use instruction book	
10, under voltage, loss of pressure opening delay (seconds): 2 seconds -6 seconds (can be set according to customer demand	
10, under voltage, loss of pressure opening delay (seconds): 2 seconds - 6 seconds (can be set according to customer demand (0 seconds - 10 seconds): [10, section time: ~0.5 seconds (can be set according to customer demand (0 seconds): [11, section time: ~0.5 seconds (seconds): [12, section time: ~0.5 seconds (can be set according to customer demand (0 seconds): [12, section time: ~0.5 seconds (0 seconds): [13, section time: ~0.5 seconds (0 seconds): [13, section time: ~0.5 sec	

2, can not use the fire line to the ground short circuit or neutral line, fire line collision short circuit method to test product
performance so as not to affect personal safety;
3, installation, wiring screws should be tightened, so that the wire is not loose, N, L (zero, fire) line can not be reversed;
4, it is strictly prohibited to operate the circuit breaker with wet hands, otherwise an electric shock accident may occur;
5, the protection characteristics of the circuit breaker is set by the manufacturer, and it is not allowed to disassemble or adjust the
circuit breaker at will;
<ol> <li>the day circuit breaker can not protect the personal electric shock and equipment leakage; installation and test steps</li> </ol>
1. Before installation, check whether the sign content of the circuit breaker is consistent with the working conditions used;
2. Before installation, the rated current of the selected circuit breaker should be matched with the actual line used;
3. Before installation, first confirm that the state of [hand automatic switch] is in the [manual] position, and the [handle] is placed in
the opening position, manual closing cannot be closed;
4, install the product on the guide rail, pay attention to N, L (zero, fire) line can not be reversed when wiring, after the completion of
power supply;
5. After power supply, switch [manual automatic switching switch] to [automatic] position, the circuit breaker will automatically
close, and the indicator light will be red on after automatic closing;
6, if conditions, can adjust the input voltage to overvoltage or undervoltage state, test, if unconditional, the installation is finished,
the equipment into normal operation.  1. Scope of application
$HYB1-100\ photovoltaic\ grid\text{-}connected\ circuit\ breaker\ has\ overvoltage\ protection, undervoltage\ protection, phase\ break\ protection,$
power failure trip, automatic closing function after the voltage returns to normal. The product is suitable for AC 50Hz or 60Hz, rated
working voltage is AC230V/400V, rated current 6A to 100A in the line, while the line plays the role of overload and short circuit
protection, can also be used as the line of infrequent operation conversion. The product realizes automatic grid-connection for
unattended distributed photovoltaic power grid.
Through such as RS-485, Bluetooth and other communication technology, the circuit breaker in the line can be remotely controlled
and automatically switched off. 2 . product features
1, modular structure combined into a whole, 35mm standard guide rail fixed, easy to quickly install, repair or replace;
2, with manual/automatic switch, safe and reliable;
3, circuit breaker built-in pole handle linkage shaft, closing synchronization is good;
4, low standby power consumption, energy saving, low carbon environmental protection;
5, the selection of C65 small circuit breaker platform, energy storage free trip mechanism, quick contact closure; The energy storage
structure is optimized, the closing force is small, the opening and closing synchronization is reliable, and the electrical life is high;
6. Over and under voltage, no voltage, no phase protection function is integrated with the operating mechanism.
★ Please check whether there is a load equipment fault, such as overload or short circuit fault can not be closed, after
troubleshooting manual closing; Or the power supply over and under voltage fault has not been eliminated, the product will
automatically close when the voltage is normal after the fault is eliminated;
★ When the load end is repaired, the [manual automatic switching switch] should be switched to the [manual] position first, and
At the state of th

1, the product installation, should not be live operation, to prevent electric shock;

2, rated current in: 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A; 3, the number of poles: single-phase 1P+N, 2P; Three phase 3P; Three-phase four-wire 3P+N, 4P; 4, short circuit protection: type C (5ln<ln≤10ln), type D (10ln<ln≤14ln); 5, rated operation short-circuit breaking capacity: lcn=lcs=6kA; 6, overvoltage protection value: 290V 10V trip, recovery voltage 260V 10V; 7, undervoltage protection value: 160V 10V trip, recovery voltage 190V 10V; 8, overvoltage opening delay (seconds): 3 seconds (can be set according to customer demand 0 seconds ~4 seconds); 9, Undervoltage, pressure-loss opening delay (seconds): 2 seconds ~10 seconds (can be set according to customer demand (0 seconds ~10 seconds); Overvoltage parameters are different from the factory default Settings, need to be explained, such as overvoltage 310V; ⊠With RS-485 or Bluetooth communication: such as with RS-485 communication;

Ambient air temperature -25° C ~+65° C: limit working temperature -40° C ~+70° C.

The standard guide rall is used for installation, and the guide rall should meet the requirements of A.1.1: TH35~7.5 steel

The circuit breaker should generally be installed vertically, the tilt Angle should not exceed 5°, the handle up for the power

The altitude of the installation site is generally not more than 2000m.

position, the installation should have no significant impact and vibration.

3. the use of conditions

1, the ambient air temperature

mounting rail of GB/T19334. 4. installation conditions

4 . Product model and meaning

5. Main specifications and technical parameters

1, rated voltage Un: 230V AC (1P+N, 2P), 50Hz;

400V AC (3P, 3P+N), 50Hz;

Order quantity;

○Order examples:

3, installation form

all position first, and the handle should be manually operated for opening. 7. Shape and mounting ruler (see Figure 1)

Circuit breaker pole number: such as 4P:

Safety alert:

The company offers a 12-month warranty for this product. During the warranty period, if the product can not be used normally due to quality reasons, the company is responsible for free repair or replacement. If due to improper use or self-modification, more than the standard specification requirements of use, fall or installation in the process of damage, even within the warranty period also paid repair or replacement.

Mouth-mouth-100 photovoltaic grid-connected circuit breaker with RS-485 communication C63 4P overvoltage 310V 50 sets

6. See Table 1 for the function description

explanation

overload protection the circuit breaker trips within a prodetermined time when the current exceeds the rated value by a preset amount. short circuit protection. The circuit breaker trips within the preset time when the short-circuit current exceeds the preset value. manual mode. Coaté of tracins de sounderroltans everytans orios of voltans but vittout autoautomatic mode. Equipped with undervoltage, overvoltage, and loss of voltage tripping, with remote control and automatic

overvoltage protection. When the voltage exceeds the preset value, the circuit breaker will open within the preset time undervoltage protection. When the voltage lower the preset value, the circuit breaker will open within the preset time. brown-out protection. When the incoming line to the circuit breaker is de-energized, the circuit breaker will trip within the presautomatic recloser function When the voltage returns to the preset value, the circuit breaker will automatically close within the preset remote control | Names composite the circuit benefits for automatic opening and classing is achieved by sending commands through commu Red light constantly pro The circuit breaker is in the closed position when powered on.

indicator light Light goes out: The circuit breaker trips due to overvoltage, undervoltage, or loss of voltage The circuit breaker enters the self-locking state with a blinking indicator, at an internal of 1 second control even when the voltage is restored

2. Common problems and solutions

Note: 1) The circuit breaker trips due to overvoltage undervoltage, or loss of voltage, but does not automatically reciose or allow remote 2) The circuit breaker is manually tripped at the factory, and manual closing is required for the first power-up.

If it does not work properly \* Please check whether automatic hand switch is not in the { automatic } position; ★ Please check whether the power supply wire is correctly connected according to the product regulations:

7. Instructions for ordering

The following points should be marked when ordering: Product model and name: such as HYB1-100 photovoltaic grid-connected circuit breaker; ☑Instantaneous trip type and rated current: such as C63 (type C, rated current is 63A);