



Compliance with Standards

CAAC: AC-137-CA-2019-08
CAAC: MH/T 6010
SAC: GB/T 16935.1
ICAO: Doc 9157 part 5
IEC: 61822
FAA: AC 150/5345-10

Application/Use

The smart constant current regulator switchover is used together with the constant current regulator to form a constant current regulator switching group. A switching group is composed of a switching cabinet, a standby regulator and up to four main regulators, which can supply power to up to four series circuits of navigation lights. When the main regulator fails, the circuit can be switched to the standby regulator for power supply in time to ensure the normal operation of the circuit light.

Features

- The mature and stable ARM chip is used as the controller.
- The vacuum relay with high voltage withstands and large current is used as the actuator.
- When failure, it can complete the switching independently without manual operation.
- After switching, it can automatically follow the light level of the before switched regulator.
- Complete switching within 1s after failure.
- Priority can be set to ensure the stability of important circuits.
- Dual CAN or dual 485 interfaces for communication with monitoring system can be selected.

Environmental Conditions

- The applicable temperature range: 0°C--55°C;
- The applicable altitude range is 0-3000 meters (we can provide products with an altitude of 3000-5000 meters according to customer requirements);
- The applicable humidity range is ≤100% (no condensation);

Protection Level

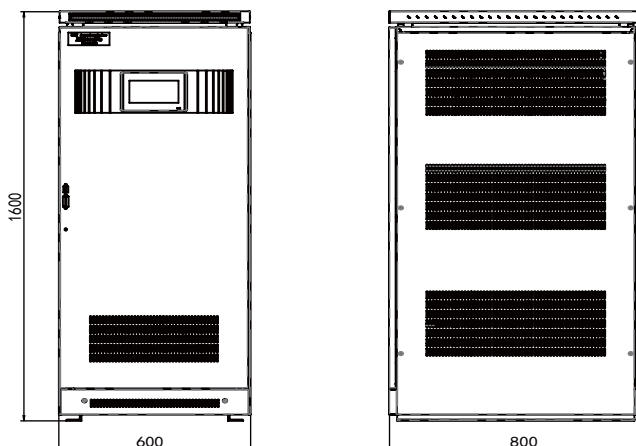
The protection level of the cabinet is IP21.

Main Interface



- A area function: Status display of CCR in the switching group.
- B area function: Operation and status display button of SCS.

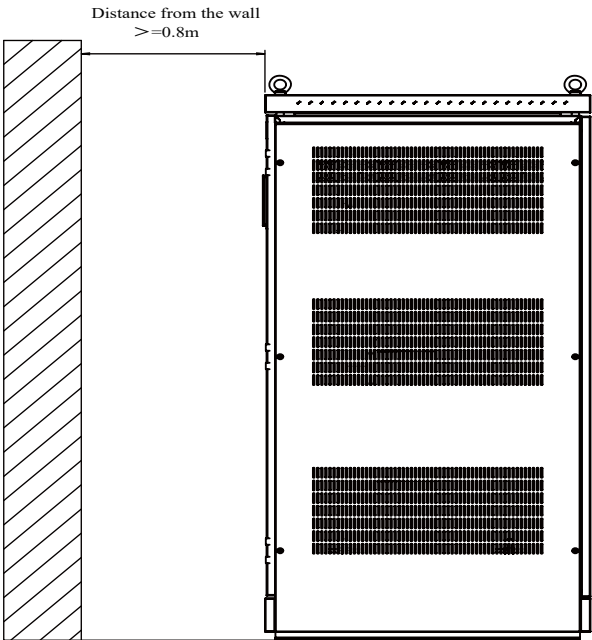
Dimension



■ SCS

■ Smart CCR Switchover

Installation Requirement



* The distance between the cabinet back door and the physical object shall not be less than 800mm

Spare Parts

S/N	Name	Ordering No.	Suggested Qty
1	Main control board	791AI	1
2	Communication board	791AM	1
3	Switch interface board	791AK	1
4	Intermediate relay board	791AL	1
5	Lightning protection module	485A5	1
6	Screen	791A7	1
7	Vacuum relay	48CF2	1

Packing Data

Dimension (mm) L*W*H	Net weight (kg)	Gross weight (kg)
650×850×1700	176	200

Order Information

SCS - XXX - XX - X

XXX: input		
220A	208B	110B
220V 50HZ	208V 60HZ	110V 60HZ

XX: Communicate with ALCMS			
0	1	2	3
NO (Monitor)	2*485	2*CAN	2*485+2*CAN

X: Communicate with CCR	
A	B
Dry contact	24V

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