als

airfield lighting systems

Big enough to cope,
small enough to care.



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CCR-2100
Constant Current Regulator
SCR TYPE



ICAO • Aerodrome Design Manual Part 5

IEC • 61822

AENA • DIN/DSEYN/PPT/002-05/13

FAA • AC 150/5345-10

Compliant with NATO, UK
& US Military Specifications

FEATURES

- **IEC 61822**
  Tested by BV and proved in conformity with IEC 61822
- **CE**
  EU CE certified
- **32-BIT**
  32-bit high speed processor providing microsecond speed in transaction
- Up to 6 brightness steps, user adjustable output current
- **1000M**
  1000M high precision on-line insulation resistance measurement
- Lamp fault detection provides accurate detection of burnt lamps
- Modular design for easy installation and simplicity of maintenance
- Step-up transformer with combined taps
- 7 inches full color touch screen provides rich information
- Flexible parameter settings
- Lightning arrestors at both input and output sides
- Comprehensive over current and over voltage protection
- Various types of remote control interfaces
- **400+**
  Choice of 400+ airports worldwide

TECHNICAL DATA

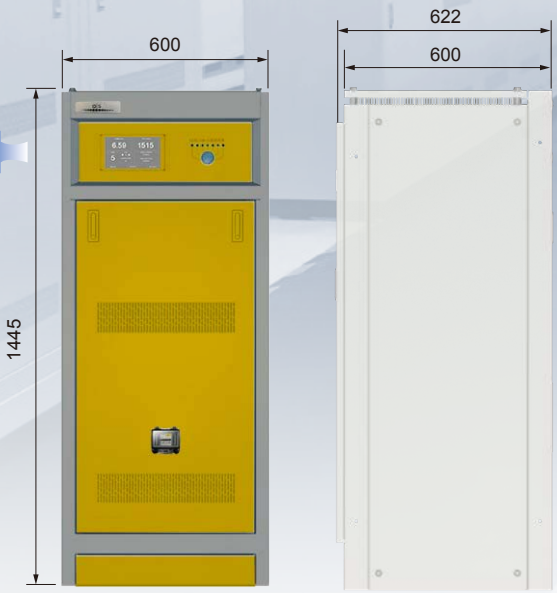
Operating Temperature • -30℃~+55℃	Humidity • 10%~95%	Altitude • ≤5000m
Output Power • 2.5~30kVA	Tolerance • ±0.1A Immunity	Power Factor (nominal) • ≥0.9
Emission • IEC 61000-6-4 Protection	• IEC 61000-6-2	Service Life • ＞12 years
Class • IP21	Input Voltage • AC 220/230/380/400V±10% 50/60Hz	
Efficiency • ≥92%	Open Circuit Output Voltage • ＜1.3 times the rated output voltage	

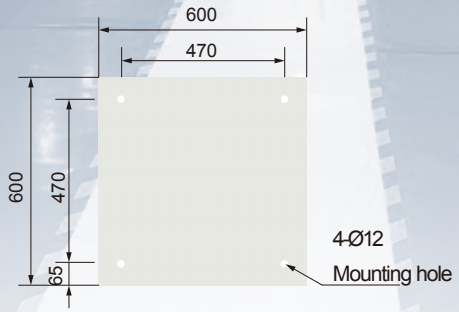
Remote Control • Redundant CAN/Modbus and multi-wire (DC24V/48V)

CCR-2100 Constant Current Regulator
SCR TYPE

DIMENSIONS







ACCESSORIES

◎ Series circuit CUTOUT

◎ Circuit selector

PACKAGING

Power(kVA)	Dimensions (L x W x H, mm)		Net Weight (kg)		Gross Weight (kg)	
	CCR Cabinet	Control Module	CCR Cabinet	Control Module	CCR Cabinet	Control Module
2.5/5	730×800×1650	550×450×270	166	8.6	204	10.5
7.5/10			190	8.6	228	10.5
15			225	8.6	263	10.5
20			250	8.6	288	10.5
25			275	8.6	313	10.5
30			289	8.6	327	10.5

* Above data are reference values of one unit of standard CCR

ORDERING CODES

CCR-2100 — 5kVA — 2 — E — I — 2 — X — X — B

Type	CCR-2100=SCR CCR
Output Power	2.5 kVA 5kVA 7.5kVA 10kVA 15kVA 20kVA 25kVA 30kVA
Input Voltage	2=220V/230V, 3=380V/400V
EFD	E=EFD, X=None
Remote (Multi-wire)	I=IEC, A=AENA, X=None
Remote (Communication)	1=CAN x 2, 2=Modbus x 2, 3=TCP x 1, 4=TCP x 2, 5=PROFIBUS x 1, 6=PROFIBUS x 2, X=None
CUT-OUT	A=AENA type CUT-OUT, F=FAA type CUT-OUT X=None
Integrated Circuit Selector	2~6=2-way ~ 6-way ICS X=None
Installation Accessories	C=Casters, L=Lifting lugs, B=Casters and Lifting lugs, X=None

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