

Switching charger

CRFD 12V, 24V, 48V



Applications



Resistant metal box



Characteristics

- Input voltage from 85 to 265Vac single-phase and from 304 to 552Vac three phase
- Automatic frequency from 47 to 63Hz
- Output 12Vcc, 24Vcc or 48Vcc
- Possibility of adjusting the output voltage by internal potentiometer
- High Frequency switching technology
- 3 automatic cycles of charging : boost, absorption, floating
- Duration of boost: 4 hours
- Regulation : +/- 1 %
- Residual ripple < 200mV
- Typical efficiency > 80%
- Power factor of 0.9
- 3 LEDs indicate the presence of the sector and the charge phase
- Outputs ammeter and voltmeter on the internal terminals
- Dry contact outputs: default charger and low battery voltage
- Input and output fuse protection
- Protection against short circuit, reverse polarity, overvoltage and over-temperature
- Thermal protection
- Operating temperature: -10 to + 55 °C
- Storage temperature: -20 to +70°C
- Humidity of 0 to 95% without condensation
- Conformity : CE, UL, CSA and RoHS

New generation of battery chargers

Our new generation of battery chargers CRFD was designed to bring you more innovation while maintaining the performance of the previous range.

- 11 positions depending on battery technology (Sealed lead, lead acid, AGM, Gel, etc.)
- Additional information reported for batteries and charging status
- Additional terminals for connecting an external load balancer for adding with extra batteries
- High performance level
- Function "balancing current" (mounting in parallel) up to 6 chargers
- Extended powers range of chargers



Easy access through the removable cover

- Metallic and plastic box
- IP22 protection index or IP23 depending on the model
- AC input connection: on screw terminal with cable gland in plastic
- Specific area of connection (connection AC, DC, load settings) for a safe installation
- Resistant to saline environments
- Polyester finish: matt black, gray and blue
- Additional terminal for connecting an external load balancer
- DC output connection on threaded rod

REFERENCES	OUTPUT CURRENT (A)	NUMBER OF OUTPUTS	LEVEL OF PROTECTION	DIMENSIONS, WEIGHT HxWxD (mm), Kg
— Range 12Vcc				
CRFD12M16	16	3	IP23	180x255x100, 2.5kg
CRFD12M25	25	3	IP23	180x255x100, 2.5kg
CRFD12M40	40	3	IP23	213x280x110, 4.2kg
CRFD12M60	60	3	IP22	213x280x110, 4.2kg
CRFD12M80	80	3	IP22	262x350x120, 7.5kg
CRFD12M100	100	1	IP22	400x350x100, 12kg
— Range 24Vcc				
CRFD24M12	12	3	IP23	180x255x100, 2.5kg
CRFD24M20	20	3	IP23	213x280x110, 4.2kg
CRFD24M30	30	3	IP22	213x280x110, 4.2kg
CRFD24M60	60	3	IP22	262x350x120, 7.5kg
CRFD24M75	75	3	IP22	262x350x120, 7.5kg
CRFD24M120	120	1	IP22	400x350x100, 14kg
CRFD24T150 Three-phase	150	1	IP22	400x350x100, 14kg
— Range 48Vcc				
CRFD48M15	15	3	IP22	213x280x110, 4.2kg
CRFD48M30	30	3	IP22	262x350x120, 7.5kg
CRFD48M60	60	1	IP22	400x350x100, 12kg