

The D201 Charger Unit 3 Amp DC

Run Cool



Silicon Engineering's advanced D201 charger model runs cool at a steady voltage output of 30V or 24V DC. It's all the charging power that your substation needs, with none of the hazardous risks of overheating.

Features:

- Ideal for 30V DC switch tripping applications
- Constant voltage output – 30V or 24V DC
- Current limit at 3 Amps DC – short circuit-proof technology
- 110V, 220V and 250V AC 50Hz input on all models
- Automatic 12 hour battery test under load
- Battery fail and charger fail alarms – relay, flashing LED, audio beeper
- Advanced lightning protection
- Available in: Integral Battery and Charger Cabinet or Charger Module
- Charger module plugs into, and is removable from, the cabinet

Specifications

Input 110/220/250 volts single phase 50Hz 2 amp field selectable. (Factory set to 220V.)

Output 30 or 24 volt DC nominal constant voltage. 3 amp full current limit

Batteries 20 or 24/25 cells vented nickel cadmium 10 AH pocket cells

OR 12 or 15 cell sealed lead acid. 12AH maintenance free 4 year life @ 20°C.

Float Charge NiCd=1,4 V/C.
DC 3 amps maximum

Manual Boost NiCd=1.6 V/C. with LED indication on front panel.

Load Test Resistive load across battery, manual or automatic at 6, 12 (factory default) or 24 hours. Maximum load duration = 10 seconds

Alarms Charger fail and battery fail alarms with local indication on front panel, audible alarm and isolated change-over contacts for remote indication.

Meters Analogue ammeter and voltmeter showing charger current and battery voltage.

Battery Cabinet 1,6 mm mild steel bent and welded to form a rigid and stable unit. The cubicle houses both charger and batteries accessible through the front hinged door. Adequate natural ventilation is provided. Corrosion resistant epoxy coating. Wall mount or floor standing.

D201C

Dimensions Battery Cabinet: L= 750, H=570, D=285 mm,
Charger Module: L= 290, D=125, H=27 5mm

Colour Two tone blue and yellow

Mass D201M – (module only) 7Kg
D201C – (module and cabinet) 33Kg

Ordering Information

Description: D201M = Charger Module only.
D201C = Charger + Battery Cabinet.

Battery Type: N = Nickel Cadmium Vented

NiCd
20 cells
24/25 cells

DC Volts: 24 = 24V Nominal
30 = 30V Nominal

AH Capacity: 00 = Without batteries
10 = 10 AH
12 = 12 AH

Example: Example 1 – 30V 3A Tripping Charger complete with 24 cells NiCd rated 10AH including battery cabinet.

Model = D201C - V - 30 - 10.



Model D201C-V-30-18



Model D201M