

The D325 Charger Unit 10Amp

It's the Big One



Big business runs on big energy. The bigger your organisation, the bigger its energy needs will be. This is where we come in. Silicon Engineering has designed and built a 5 Amp and 10 Amp 24, 30 and 36V switch tripping unit that puts the "charge" in super-charged business. For your biggest battery charging requirements, this big boy has you covered. What's more, it is completely short circuit-proof and boasts advanced lightning protection. Because nothing can keep the D325 down, your business is guaranteed to stay on the up and up.

Features:

- Ideal for 24, 30 and 36V switch tripping applications
- Ideal for electronic protection relays, new and retrofit
- Capable of standing loads up to 5 Amps
- Available in 5 Amp or 10 Amp DC current limit
- Completely short-circuit proof
- 110V and 220V AC 50Hz input on all models
- Has battery fail and charger fail alarms: relay, flashing LED and audio beeper
- Automatic 6, 12 or 24 hour battery test under load (factory default 12 hours)
- Advanced lightning protection
- Integral battery and charger cabinet with wall mounting options
- Mains fail alarm features a 10 – 30 second delay
- Automatic return from Boost to Float charge
- Available as a charger module only

Specifications

Input 110/220/250 volts single phase 50Hz 5 amp field selectable. (Factory set to 220V.)

Output 24, 30 or 36 volt DC nominal constant voltage. Available in 5 or 10 amp full current limit.

Batteries 12 or 18 cell Vented lead acid.

OR 20, 24 or 30 cell vented nickel cadmium 10 to 50 AH pocket cells.

OR 12 or 15 cell sealed lead acid VRLA maintenance free.

Float Charge LA=2,23 V/C : NiCd=1,4 V/C.

Manual Boost LA=2,35 V/C : NiCd=1.6 V/C. with LED indication on front panel. Automatic return to float charge.

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. Mains fail alarm with 10 - 30 sec. delay. (Factory default = 30 sec)

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 mounting or floor standing.

Dimensions

Outside L=1120, D=300, H=570

Battery Compartment L= 800, D=300, H=550

Charger Compartment L= 320, D=300, H=550

Colour Two tone blue and yellow

Mass 65 kg excluding batteries (Charger and Cabinet)

Ordering Information

Description: D325C = Charger + Battery Cabinet.
D325M = Charger Module

Battery Type: V = Vented Lead Acid
N = Nickel Cadmium Vented
S = Valve Regulated Lead Acid (sealed)

DC Volts: 24 = 24V Nominal
30 = 30V Nominal
36 = 36V Nominal

LA	NiCd
12 cells	20 cells
18 cells	24 cells

AH Capacity: 00 = Without batteries
10 = 10 AH
23 = 23 AH
55 = 55 AH
99 = 99 AH

Example 1 - 30V 10A Tripping Charger complete with 24 Nickel Cadmium type battery rated at 20AH included in battery cabinet.

Model = D325C - N - 30 - 20.

Example 2 - 24V 5A Charger module only without batteries calibrated for 12 Vented Lead Acid cells.

Model = D325M - V - 24 - 00.



Model D325M



Model D325C-N-30-50

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