



DL300

Dump Controller & Load



Specifications:

•Operation

- PWM (Pulse Width Modulation) for highest charging performance without flicker
- Selectable three stage charging or over voltage protection mode
- Selectable for sealed or flooded batteries using jumper
- Status and fault indicator LEDs

•Power, 12 volt version, DL300-12

- Operating voltage range: 7 to 32 volts DC
- Recommend fuse or circuit breaker: 30 amps
- Integrated load resistor: 0.75 ohm, 300 watt, wire wound
- Quiescent current when not load dumping: 2.6mA @ 12 volts

•Power, 24 volt version, DL300-24

- Operating voltage range: 7 to 32 volts DC
- Recommended fuse or circuit breaker: 15 amps
- Integrated load resistor: 3 ohms, 300 watt, wire wound
- Quiescent current when not load dumping: 3.0mA @ 24 volts

•Connections

- #10-32 brass screws for V+ and V-
- Two 1/2" / 3/4" concentric NPT knockouts and two 1/2" NPT knockouts

•Mounting

- Mounts to vertical concrete, metal, drywall, or other non-flammable surface.
- Uses four #10 screws
- Body sits 19mm out from wall
- NEMA 1 enclosure for indoor mounting

•Weight and Dimensions

- Dimensions: 88mm wide, 95mm tall, 470mm long (3.375 x 3.75 x 18.5 in)
- Weight: 1.94 kg (4.28 pounds)
- Shipping Dimensions: 102 mm wide, 108 mm tall, 508 mm long (4.0 x 4.25 x 20 in)
- Shipping Weight: 2.15 kg (4.75 pounds)

•Materials

- Enclosure: 18 gauge mild steel, powder coated black
- Circuit board: FR-4, 1.6mm (0.062 in), double sided, plated through holes, solder mask, silk screen, gold plating
- Hardware: stainless steel, zinc plated steel, aluminum, and nylon
- Shipping carton: corrugated cardboard

•Jumper Settings

- J2.1 = Removed = Charge Control Mode (Perform Bulk Absorb and Float)
- J2.1 = Installed = Over-voltage Control Mode. Just prevent voltage from going over upper limit.
- J2.2 = Removed = Sealed Batteries
- J2.2 = Installed = Flooded Lead Acid "Wet" cells

12V Setpoints		
Mode	Flooded	Sealed
Bulk	14.6	14.3
Float	13.4	13.4
Protect	16.0	15.0

24V Setpoints		
Mode	Flooded	Sealed
Bulk	29.2	28.6
Float	26.8	26.8
Protect	32.0	30.0



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