



DOUGLAS BATTERY
Connect with a leader.

DOUGLAS LegaC²™ MODULAR CHARGERS



TAKING HIGH FREQUENCY CHARGING TO A HIGHER LEVEL



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Since 1921, Douglas Battery™ has been providing the power, know-how and customer support to keep industrial equipment moving. Today, our high frequency and rapid chargers are meeting the needs for higher efficiency, flexibility and reliability across a range of industries and applications – from material handling and airport ground support equipment, to forklifts, walkies and more. Whatever your application, you'll find an innovative Douglas Battery charging solution to maximize availability while minimizing maintenance and downtime.

Take charge with LegaC²™

A new range of compact units

Douglas Battery™ LegaC²™ modular chargers feature some of the industry's most compact, efficient, versatile designs. Free-standing or wall-mounted, advanced LegaC² modular chargers can help your operation save time, money and space.

Flexible performance that won't quit

New LegaC² modular chargers are suitable for a wide range of battery capacities, opening up the possibility of fewer chargers in your fleet.

To maintain peak efficiency at all times, LegaC² chargers are designed to switch power modules on and off automatically. If a single module develops a minor fault, LegaC² chargers will simply bypass it and continue operating at reduced power. The charging process will continue uninterrupted, along with your fleet operations.

Space and energy-saving footprints

With efficiency rates as high as 94%, LegaC² chargers can help shrink your operation's carbon footprint and energy costs. Units consume below 10W in standby mode and comply with the California Energy Commission (CEC) appliance efficiency standards.

modular chargers from Douglas Battery™

Legac²™ modular chargers

- **Single Phase Plug-in and 1-10kW**
- **Three Phase 3.5-21kW**
- **Flooded, opportunity, cold storage, VRLA, gel-bloc, desulphation and auto equalization charging**
- **Extended, programmable capacity range**
- **Charge block-out settings**
- **USB port to download/upload charger data**
- **Free-standing or wall-mounted**
- **LCD screen with programmable menu**
- **Multi-voltage range**
- **Listed by UL/cUL**



Raptor™ rapid chargers

Able to recharge batteries three to five times faster than conventional chargers, Raptor™ rapid chargers reduce or virtually eliminate the need for battery changes with high rate partial state of charge. These high rate, fully automatic chargers combine high energy efficiency and a high power factor to help fleets cut operating costs and boost productivity.

- **Returns batteries to a full state of charge in about two hours**
- **USB port to download/upload charger data**
- **Free-standing or wall-mounted**
- **Thermal management intelligence controls electrolyte temperature to reduce risk of overheating**
- **50/60hz frequency/multi-voltage automatic**
- **Automatic equalization**
- **Meets the California Energy Commission (CEC) efficiency standards**
- **Listed by UL/cUL**



Legac²™ Modular Chargers (Plug-in, 3 and 6 bay)

| Charging Profiles | Flexibility | Communication | Construction | Single Phase | Three Phase |
|---|--|---|--|---|--|
| <ul style="list-style-type: none"> Flooded Lead Acid Opportunity Cold storage VRLA-GEL Lead Acid Gel-bloc Desulphation charge Auto equalization charge | <ul style="list-style-type: none"> Multiple charging profiles Extended programmable capacity range Future-proofing extendable output power Charge block-out settings | <ul style="list-style-type: none"> USB to download and upload charger data | <ul style="list-style-type: none"> Free-standing or wall-mounted LCD screen with customer programmable menu Light and modern design | <ul style="list-style-type: none"> VAC: 120, 208, 240 Battery range: 12V, 24V and 36/48V 1kW cabinet 1kW to 3kW / 3 bay cabinet 4kW to 6kW / 6 bay cabinet | <ul style="list-style-type: none"> VAC: 208, 240, 480, 600 Battery range: 24V/36/48V and 72/80V 3.5kW to 10.5kW / 3 bay cabinet 14kW to 21kW / 6 bay cabinet |

Legac²™ Modular Charger Overview

| | Output DC Voltage | Cabinet Size | Max Battery Capacity (Standard 8 hr) | Max AH Battery Capacity (Opportunity Mode) | Input AC Amps | VAC | Max Weight (LBS) | Dimensions (L x W x H) |
|------------------------------|-------------------|--------------|--------------------------------------|--|----------------|-------------|------------------|--------------------------|
| Single Phase | 12 | 1 | 220 | 140 | 5 | 120 | 6 | 5.83" x 3.80" x 10.41" |
| | 24 | 1 | 125 | 80 | 6 | 120 | 6 | 5.83" x 3.80" x 10.41" |
| | 36/48 | 1 | 88/70 | 56/44 | 6 | 120 | 6 | 5.83" x 3.80" x 10.41" |
| Single Phase 3 bay and 6 bay | 12 | 3 | 660 | 420 | 14 | 120 | 17 | 9.84" x 7.22" x 13.54" |
| | 24 | 3 | 375 | 240 | 16 | 120 | 17 | 9.84" x 7.22" x 13.54" |
| | 36/48 | 3 | 265/210 | 168/132 | 18 | 120 | 17 | 9.84" x 7.22" x 13.54" |
| | 12 | 3 | 660 | 420 | 9 | 208/240 | 17 | 9.84" x 7.22" x 13.54" |
| | 24 | 3 | 660 | 420 | 16 | 208/240 | 17 | 9.84" x 7.22" x 13.54" |
| | 36/48 | 3 | 450/340 | 300/216 | 17 | 208/240 | 17 | 9.84" x 7.22" x 13.54" |
| | 12 | 6 | 1320 | 840 | 30 | 120 | 48 | 20.47" x 10.24" x 16.34" |
| | 24 | 6 | 750 | 480 | 36 | 120 | 48 | 20.47" x 10.24" x 16.34" |
| | 36/48 | 6 | 525/420 | 340/260 | 36 | 120 | 48 | 20.47" x 10.24" x 16.34" |
| | 12 | 6 | 1320 | 840 | 18 | 208/240 | 48 | 20.47" x 10.24" x 16.34" |
| | 24 | 6 | 1320 | 840 | 32 | 208/240 | 48 | 20.47" x 10.24" x 16.34" |
| | 36/48 | 6 | 900/680 | 600/432 | 34 | 208/240 | 48 | 20.47" x 10.24" x 16.34" |
| Three Phase 3 bay and 6 bay | 24/36/48 | 3 | 750/750/750 | 480/480/480 | 22.2/21.0/19.2 | 208/220/240 | 94.4 | 13.90" x 12.60" x 21.90" |
| | 72/80 | 3 | 470/470 | 300/300 | 23.1/21.9/20.1 | 208/220/240 | 94.4 | 13.90" x 12.60" x 21.90" |
| | 24/36/48 | 3 | 1500/1500/1125 | 960/960/720 | 14.4 | 480 | 94.4 | 13.90" x 12.60" x 21.90" |
| | 72/80 | 3 | 750/675 | 480/432 | 14.4 | 480 | 94.4 | 13.90" x 12.60" x 21.90" |
| | 24/36/48 | 3 | 1500/1500/1125 | 960/960/720 | 11.7 | 600 | 94.4 | 13.90" x 12.60" x 21.90" |
| | 72/80 | 3 | 750/675 | 480/432 | 11.7 | 600 | 94.4 | 13.90" x 12.60" x 21.90" |
| | 24/36/48 | 6 | 1500/1500/1500 | 960/960/960 | 44.4/42/38.4 | 208/220/240 | 120.1 | 13.90" x 22.50" x 21.90" |
| | 72/80 | 6 | 950/950 | 600/600 | 46.2/43.8/40.2 | 208/220/240 | 120.1 | 13.90" x 22.50" x 21.90" |
| | 24/36/48 | 6 | 2000/2000/2000 | 1280/1280/1280 | 28.8 | 480 | 120.1 | 13.90" x 22.50" x 21.90" |
| | 72/80 | 6 | 1500/1350 | 960/864 | 28.8 | 480 | 120.1 | 13.90" x 22.50" x 21.90" |
| | 24/36/48 | 6 | 2000/2000/2000 | 1280/1280/1280 | 23.4 | 600 | 120.1 | 13.90" x 22.50" x 21.90" |
| | 72/80 | 6 | 1500/1350 | 960/864 | 23.4 | 600 | 120.1 | 13.90" x 22.50" x 21.90" |



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