

EP CHARGER

Economical & Reliable

Full-featured charging for light to medium-duty applications.

The EP Charger delivers dependable, cost-effective charging for industrial batteries. Designed with ECO-250 microprocessor technology, it provides efficient 10-hour charge cycles, real-time monitoring, and built-in safety protections - keeping your equipment powered and your operation productive.



Key Benefits

- Efficient Charging – Recharges fully discharged batteries in 10 hours
- Smart Control – ECO-250 microprocessor with real-time status display
- Durable Design – Rugged, stackable case with corrosion-resistant finish
- Certified & Backed – UL/cUL listed, with 1-year full and 5-year parts warranty

Applications

- Ideal for light- to medium-duty fleets
- Perfect for single-shift operations with at least 8 hours downtime
- Conventional charging environments

Technical Features

- ECO-250 Programming: Safe USB-based setup (no door access required)
- Cold Battery Charging: Adjusts for electrolyte temps 32–50°F
- Safety Timers: Automatic shutoff if 80% charge not reached in 11 hours or not complete in 16 hours
- Data Storage: Up to 800 charge cycles stored (voltage, amp-hours, charge time, equalize cycles)
- Data Analysis: ECO-250 software reports cycle stats, faults, and performance trends
- Stacking & Connectivity: Stack up to three high, with color-coded cables to prevent errors



Specifications

Model	Cell	Phase	DC Output	208 VAC	240 VAC	480 VAC	575 VAC	Weight
24V/80A-1	12 (24)	1	80	14.7	12.8	-	-	133
24V/100A-1	12 (24)	1	100	18.4	16	-	-	137
24V/120A-1	12 (24)	1	120	22.2	19.2	-	-	148
24V/140A-1	12 (24)	1	140	25.9	22.1	-	-	161
24V/80A-3	12 (24)	3	80	8	7	3.5	2.8	152
24V/100A-3	12 (24)	3	100	10.1	8.8	4.3	3.5	161
24V/120A-3	12 (24)	3	120	12.1	10.5	5.3	4.2	170
24V/140A-3	12 (24)	3	140	14.1	12.2	6.1	4.8	181
24V/160A-3	12 (24)	3	160	16.1	13.9	7	5.6	198
24V/180A-3	12 (24)	3	180	18.1	15.7	7.8	6.3	207
24V/200A-3	12 (24)	3	200	20.1	17.4	8.8	7	218
36V/80A-1	18 (36)	1	80	21.7	18.1	-	-	155
36V/100A-1	18 (36)	1	100	27.2	23.6	-	-	164
36V/120A-1	18 (36)	1	120	32.7	28.3	-	-	172
36V/140A-1	18 (36)	1	140	38.1	33	-	-	186
36V/160A-1	18 (36)	1	160	43.6	37.8	-	-	199
36V/180A-1	18 (36)	1	180	48.9	42.4	-	-	212
36V/80A-3	18 (36)	3	80	11.9	10.3	5.2	4.1	170
36V/100A-3	18 (36)	3	100	14.8	12.9	6.4	5.2	176
36V/120A-3	18 (36)	3	120	17.8	15.5	7.7	6.2	190
36V/140A-3	18 (36)	3	140	20.7	18	9	7.2	209
36V/160A-3	18 (36)	3	160	23.7	20.5	10.3	8.2	225
36V/180A-3	18 (36)	3	180	26.7	23.1	11.5	9.3	243
36V/200A-3	18 (36)	3	200	29.7	25.7	12.9	10.3	269
48V/100A-1	24 (48)	1	100	36	31.2	-	-	164
48V/100A-3	24 (48)	3	100	19.6	17	8.8	6.8	203
48V/120A-3	24 (48)	3	120	23.5	20.4	10.2	8.2	225
48V/140A-3	24 (48)	3	140	27.4	23.8	11.9	9.5	238
48V/160A-3	24 (48)	3	160	31.3	27.2	13.6	10.8	284
48V/180A-3	24 (48)	3	180	35.2	30.5	15.2	12.3	295
80V/100A-3	40 (80)	3	100	32.4	28.1	14.1	11.3	256

*575 VAC is a special order charger and is not included in base 208/240/480 model.

The EP Charger is the most economical and feature-rich option in its class. Backed by Briggs Power Solutions and supported by Briggs Equipment's full-service team, it delivers the performance and reliability your fleet depends on.

