

# EX Series Chargers

## Revolutionary High-Efficiency Charging Solutions

*No charger is safer for your  
battery fleet.*



### BENEFITS



**Trustworthy ferroresonant  
technology.**



**Lowest cost  
of ownership.**



**"Smart" Charge Control  
with Icon & digital display.**



**Failsafe charge for  
your battery.**



**Fully automatic.**



**Empowering Industries  
for 50 Years**



# Bulldog Battery

Bulldog Battery Corporation  
98 E. Canal St.  
Wabash, IN 46992  
Phone: 800.443-3492  
Fax: 260.563.8245  
salesdept@bulldog-battery.com  
bulldog-battery.com

  
**CHARGING  
TECHNOLOGIES, INC.**

EX-SERIES-SPEC-12112023

# EX Series Chargers



## LATEST TECHNOLOGY

Although ferroresonant technology has been around for many years, improvements are constantly being made and today, our charger boasts a high efficiency, 87% and power factor > 90% close to that of other manufacturers high frequency chargers. Sophisticated charge control monitors the battery throughout charge and delivers a safe, complete charge to keep your fleet healthy and running!

- ✓ **Cutting-Edge Efficiency:** Reach an exceptional peak power conversion efficiency of 87% and a power factor exceeding 90%, rivaling high-frequency chargers from other manufacturers.
- ✓ **Battery Health Monitoring:** Employs sophisticated charge control technology to continuously monitor battery health throughout the charging process, ensuring the longevity and reliability of your fleet.
- ✓ **Seamless Communication:** Establish constant communication between your battery and charger, guaranteeing a perfect charge every time and minimizing the risk of overcharging or undercharging.
- ✓ **Intuitive Graphic Icon Display:** Easily identify charge status and battery readiness with a user-friendly graphic icon display, streamlining your fleet management.
- ✓ **Safety First:** Underwriters Laboratories (UL) listed, our chargers provide failsafe charging for your battery fleet, minimizing potential risks.
- ✓ **Versatile AC Voltage Options:** Available in all AC voltage configurations, both single and three-phase, to cater to your specific charging needs.



- ✓ **Robust failsafe design.**
- ✓ **Stackable.**
- ✓ **Over 10 Years of Reliable Performance.**

## INTELENT CHARGING

- Constant communication between battery and charger for perfect charge every time.
- Graphic Icon display allows quick identification of charge status and "ready" battery.
- Underwriters Laboratories UL and ULc listed.



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## SELECTOR GUIDE - 1PH

Model	Cells	Amp hr. Rating	Range	DC Amp Output	AC Input Amps					Case	Weight
					120	208	240	480	600		
EXS6-265*	6	265	176-265	45	6.6	3.8	3.3	1.7	1.3	500	65
EXS6-380*	6	380	266-380	65	9.6	5.5	4.8	2.4	1.9	500	65
EXS6-440*	6	440	381-440	75	11.0	6.4	5.5	2.8	2.2	500	80
EXS6-500*	6	500	441-500	85	12.5	7.2	6.2	3.1	2.5	500	85
EXS6-595*	6	595	501-595	102	15.0	8.7	7.5	3.7	3.0	500	95
EXS6-680*	6	680	596-680	116	17.1	9.8	8.5	4.3	3.4	500	95
EXS6-760*	6	760	681-760	130	19.1	11.0	9.6	4.8	3.8	500	120
EXS6-850*	6	850	761-850	145	21.3	12.3	10.7	5.3	4.3	500	125
EXS12-265*	12	265	176-265	45	13.2	7.6	6.6	3.3	2.6	500	85
EXS12-380*	12	380	266-380	65	19.1	11.0	9.6	4.8	3.8	500	120
EXS12-440*	12	440	381-440	75	22.1	12.7	11.0	5.5	4.4	500	120
EXS12-500*	12	500	441-500	85	25.0	14.4	12.5	6.2	5.0	500	125
EXS12-595*	12	595	501-595	102	XX	17.3	15.0	7.5	6.0	500	140
EXS12-680*	12	680	596-680	116	XX	19.7	17.1	8.5	6.8	500	140
EXS12-760*	12	760	681-760	130	XX	22.1	19.1	9.6	7.6	501	210
EXS12-850*	12	850	761-850	145	XX	24.6	21.3	10.7	8.5	501	210
EXS12-935*	12	935	851-935	160	XX	27.1	23.5	11.8	9.4	501	225
EXS12-1025*	12	1025	936-1026	175	XX	29.7	25.7	12.9	10.3	501	225
EXS18-265*	18	265	176-265	45	19.8	11.4	9.9	5.0	4.0	500	120
EXS18-380*	18	380	266-380	65	XX	16.5	14.3	7.2	5.7	500	140
EXS18-440*	18	440	381-440	75	XX	19.1	16.5	8.3	6.6	500	140
EXS18-500*	18	500	441-500	85	XX	21.6	18.7	9.4	7.5	501	210
EXS18-595*	18	595	501-595	102	XX	26.0	22.5	11.2	9.0	501	225
EXS18-680*	18	680	596-680	116	XX	29.5	25.6	12.8	10.2	501	225
EXS18-760*	18	760	681-760	130	XX	33.1	28.7	14.3	11.5	501	240
EXS18-850*	18	850	761-850	145	XX	36.9	32.0	16.0	12.8	501	240
EXS18-935*	18	935	851-935	160	XX	40.7	35.3	17.6	14.1	501	240
EXS18-1025*	18	1025	936-1026	175	XX	44.5	38.6	19.3	15.4	501	265
EXS18-1200*	18	1200	1027-1200	221	XX	XX	45.0	24.5	19.6	501	284

\*Requires 60Hz Voltage Code  
 A= 120/208/240  
 B= 208/240/480

K= 480/575  
 AG= 600  
 Consult factory for 50 hz voltage codes

 Control can be upgraded to the 305 with Bluetooth Capabilities



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## SELECTOR GUIDE - 1PH

Model	Cells	Amp hr. Rating	Range	DC Amp Output	AC Input Amps					Case	Weight
					120	208	240	480	600		
EXS24-265*	24	265	176-265	45	<del>XX</del>	15.3	13.2	6.6	5.3	500	125
EXS24-380*	24	380	266-380	65	<del>XX</del>	22.1	19.1	9.6	7.6	501	210
EXS24-440*	24	440	381-440	75	<del>XX</del>	25.4	22.1	11.0	8.8	501	225
EXS24-500*	24	500	441-500	85	<del>XX</del>	28.8	25.0	12.5	10.0	501	225
EXS24-595*	24	595	501-595	102	<del>XX</del>	34.6	30.0	15.0	12.0	501	240
EXS24-680*	24	680	596-680	116	<del>XX</del>	39.4	34.1	17.1	13.6	501	240
EXS24-760*	24	760	681-760	130	<del>XX</del>	44.1	38.2	19.1	15.3	501	265
EXS24-850*	24	850	761-850	145	<del>XX</del>	<del>XX</del>	42.6	21.3	17.1	501	284
EXS24-935*	24	935	851-935	160	<del>XX</del>	<del>XX</del>	47.0	23.5	18.8	501	320
EXS24-1025*	24	1025	936-1026	175	<del>XX</del>	<del>XX</del>	<del>XX</del>	25.7	20.6	501	406
EXS40-265*	40	265	176-265	45	<del>XX</del>	25.4	22.1	11.0	8.8	501	225
EXS40-380*	40	380	266-380	65	<del>XX</del>	40.4	35.0	17.5	14.0	501	240
EXS40-440*	40	440	381-440	75	<del>XX</del>	42.4	36.8	18.4	14.7	501	265
EXS40-500*	40	500	441-500	85	<del>XX</del>	48.1	41.7	20.8	16.7	501	320
EXS40-595*	40	595	501-595	102	<del>XX</del>	<del>XX</del>	<del>XX</del>	25.0	20.0	501	320
EXS40-680*	40	680	596-680	116	<del>XX</del>	<del>XX</del>	<del>XX</del>	28.4	22.7	501	406
EXS40-760*	40	760	681-760	130	<del>XX</del>	<del>XX</del>	<del>XX</del>	31.9	25.5	501	410

\*Requires 60Hz Voltage Code  
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## SELECTOR GUIDE - 3PH

Model	Cells	Amp hr. Rating	Range	DC Amp Output	AC Input Amps				Case	Weight
					208	240	480	600		
EXT6-265*	6	265	176-265	45	2.2	1.9	1.0	0.8	501	170
EXT6-380*	6	380	266-380	65	3.2	2.8	1.4	1.1	501	170
EXT6-440*	6	440	381-440	75	3.7	3.2	1.6	1.3	501	170
EXT6-500*	6	500	441-500	85	4.2	3.6	1.8	1.4	501	170
EXT6-595*	6	595	501-595	102	5.0	4.3	2.2	1.7	501	195
EXT6-680*	6	680	596-680	116	5.7	4.9	2.5	2.0	501	195
EXT6-760*	6	760	681-760	130	6.4	5.5	2.8	2.2	501	195
EXT6-850*	6	850	761-850	145	7.1	6.2	3.1	2.5	501	207
EXT12-265*	12	265	176-265	45	4.4	3.8	1.9	1.5	501	170
EXT12-380*	12	380	266-380	65	6.4	5.5	2.8	2.2	501	170
EXT12-440*	12	440	381-440	75	7.4	6.4	3.2	2.5	501	195
EXT12-500*	12	500	441-500	85	8.5	7.4	3.7	2.9	501	195
EXT12-595*	12	595	501-595	102	10.0	8.7	4.3	3.5	501	207
EXT12-680*	12	680	596-680	116	11.4	9.9	4.9	3.9	501	215
EXT12-760*	12	760	681-760	130	12.7	11.0	5.5	4.4	501	220
EXT12-850*	12	850	761-850	145	14.2	12.3	6.2	4.9	501	250
EXT12-935*	12	935	851-935	160	15.6	13.5	6.8	5.4	501	250
EXT12-1025*	12	1025	936-1026	175	17.2	14.9	7.4	5.9	501	250
EXT18-265*	18	265	176-265	45	6.6	5.7	2.9	2.3	501	195
EXT18-380*	18	380	266-380	65	9.6	8.3	4.1	3.3	501	207
EXT18-440*	18	440	381-440	75	11.0	9.6	4.8	3.8	501	220
EXT18-500*	18	500	441-500	85	12.5	10.8	5.4	4.3	501	220
EXT18-595*	18	595	501-595	102	15.0	13.0	6.5	5.2	501	250
EXT18-680*	18	680	596-680	116	17.0	14.8	7.4	5.9	501	250
EXT18-760*	18	760	681-760	130	19.1	16.6	8.3	6.6	501	265
EXT18-850*	18	850	761-850	145	21.3	18.5	9.2	7.4	501	265
EXT18-935*	18	935	851-935	160	23.5	20.4	10.2	8.2	501	290
EXT18-1025*	18	1025	936-1026	175	25.7	22.3	11.2	8.9	501	290
EXT18-1200*	18	1200	1027-1200	221	30.0	26.0	13.0	10.4	501	320

\*Requires 60Hz Voltage Code  
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## SELECTOR GUIDE - 3PH


Model	Cells	Amp hr. Rating	Range	DC Amp Output	AC Input Amps				Case	Weight
					208	240	480	600		
EXT24-265*	24	265	176-265	45	8.8	7.7	3.8	3.1	501	195
EXT24-380*	24	380	266-380	65	12.7	11.0	5.5	4.4	501	220
EXT24-440*	24	440	381-440	75	14.7	12.7	6.4	5.1	501	235
EXT24-500*	24	500	441-500	85	16.7	14.4	7.2	5.8	501	250
EXT24-595*	24	595	501-595	102	20.0	17.3	8.7	6.9	501	265
EXT24-680*	24	680	596-680	116	22.7	19.7	9.9	7.9	501	290
EXT24-760*	24	760	681-760	130	25.5	22.1	11.0	8.8	501	290
EXT24-850*	24	850	761-850	145	28.4	24.6	12.3	9.9	501	320
EXT24-935*	24	935	851-935	160	31.4	27.2	13.6	10.9	501	320
EXT24-1025*	24	1025	936-1026	175	34.3	29.7	14.9	11.9	501	320
EXT24-1200*	24	1200	1027-1200	221	40.0	34.7	17.3	15.0	502	450
EXT40-265*	40	265	176-265	45	14.7	12.7	6.4	5.1	501	265
EXT40-380*	40	380	266-380	65	21.2	18.4	9.2	7.4	501	290
EXT40-440*	40	440	381-440	75	24.5	21.2	10.6	8.5	501	320
EXT40-500*	40	500	441-500	85	27.8	24.1	12.0	9.6	501	320
EXT40-595*	40	595	501-595	102	33.3	28.9	14.4	11.6	502	450
EXT40-680*	40	680	596-680	116	37.9	32.9	16.4	13.1	502	450
EXT40-760*	40	760	681-760	130	42.5	36.8	18.4	14.7	502	515
EXT40-850*	40	850	761-850	145	47.4	41.1	20.5	16.4	502	515

\*Requires 60Hz Voltage Code  
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Empowering Industries  
 for 50 Years

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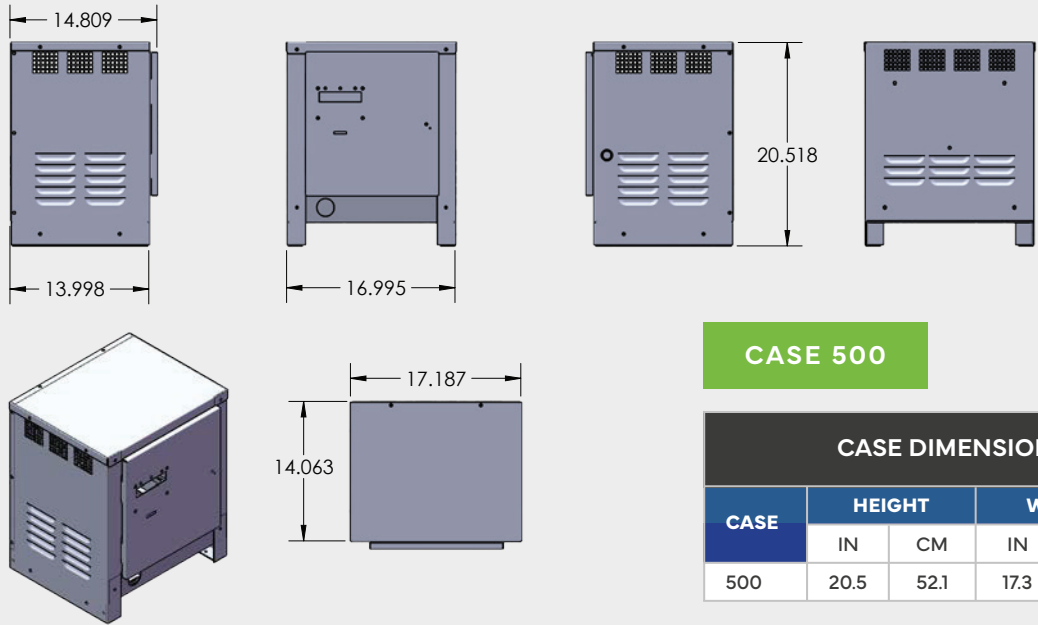
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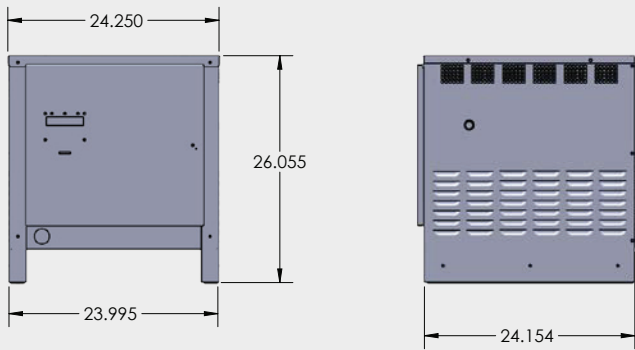


## SELECTOR GUIDE



### CASE 500

CASE DIMENSIONS FOR 500						
CASE	HEIGHT		WIDTH		DEPTH	
	IN	CM	IN	CM	IN	CM
500	20.5	52.1	17.3	44.0	14.8	37.6



### CASE 501

CASE DIMENSIONS FOR 905						
CASE	HEIGHT		WIDTH		DEPTH	
	IN	CM	IN	CM	IN	CM
501	26.1	66.3	24.3	61.7	24.9	63.3



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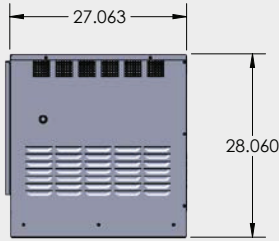
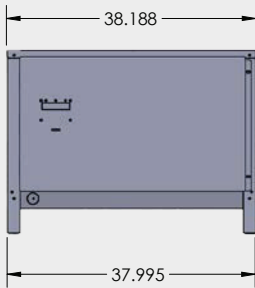
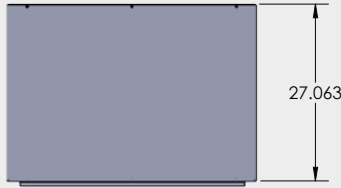
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## SELECTOR GUIDE



### CASE 502

CASE DIMENSIONS FOR 500						
CASE	HEIGHT		WIDTH		DEPTH	
	IN	CM	IN	CM	IN	CM
502	28.1	71.4	38.3	97.3	28.4	72.1



### CHARGER FLOOR STAND WITH CABLE MANAGEMENT

- Heavy duty construction
- Mounting holes for Ferro 501, 551 & 701 (HF) charger cabinets
- Cable management mounting hole (POGO)
- Floor anchor holes
- Safety Yellow
- Shelf size 27<sup>3</sup>/<sub>4</sub>" wide x 26" deep
- Ships KD for field assembly
- Charger Stand Pt # 038-424 Shelf Width 27<sup>3</sup>/<sub>4</sub>" x Depth 26" x Height 28"
- Pogo Pt #019-353



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**314-739-1414**   [Sales@chargingti.com](mailto:Sales@chargingti.com)



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