

BELATRON Next Gen

High-Efficiency-Chargers

available for 24, 36, 48, 72, 80 and 96 Volt

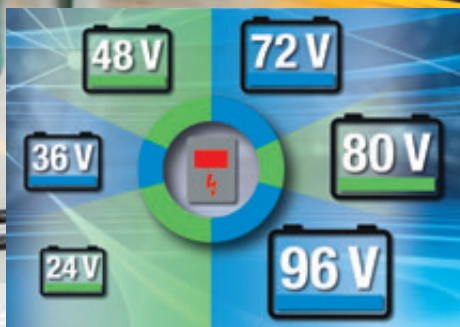
Conventional / Opportunity / Fast Charging

BENNING
World Class Charging Systems

Excellent Technology, Efficiency and Quality

BELATRON NG - HF

- High-efficiency charging systems for drive batteries
- Versatility, thanks to multi-voltage operation
- Designed for the tough conditions of industry
- Economical due to high energy efficiency, lower heat losses and little cooling effort
- Combination of efficiency and connectivity
- Modular design
- Monitoring & reporting portal
- Two-way communication – straightforward and uncomplicated
- Can be upgraded for use with lithium batteries
- Communication with energy management systems
- NEXT Battery Selector dynamic – organizing frequency of use so as to extend battery life
- Wide ambient temperature range

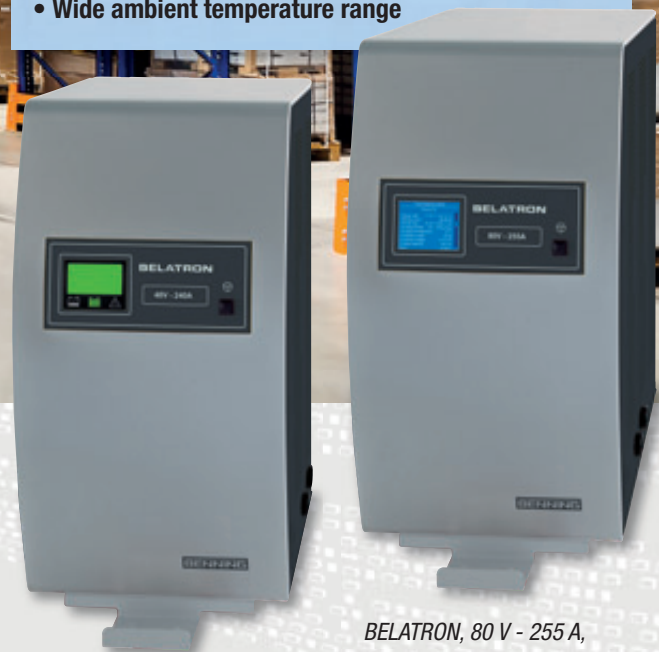


Single or Multi-voltage

A new addition is the multi-voltage function which makes it possible for the widest range of different batteries to be charged up with just one BELATRON. This ensures additional flexibility in the optimization of charging processes.

Charging Solutions for:

- Conventional overnight charging
- Opportunity charging
- Fast charging



*BELATRON, 48 V - 240 A,
Cabinet WT120*

*BELATRON, 80 V - 255 A,
Cabinet WT180*

Charger Selection Guide

Battery voltage	VAC/ AC-Phase	Max DC Amp output	Conventional 8 hour charge - Max. Battery amp/hr.	Opportunity 25 % start rate - Max. Battery amp/hr.	Fast Charging 40 % start rate - Max. Battery amp/hr.	BENNING Model	Charger weight - Lbs.	Cabinet Dimensions H x W x D
24	480/3	150	1000	600	375	D400-480G24/150B-FB	45	23.7" x 12.3" x 7.9"
24	480/3	300	2000	1200	750	D400-480G24/300B-FB	69	23.7" x 12.3" x 12.0"
24	480/3	450	3000	1800	1125	D400-480G24/450B-FB	93	23.7" x 12.3" x 16.1"
36	480/3	150	1000	600	375	D400-480G36/150B-FB	45	23.7" x 12.3" x 7.9"
36	480/3	300	2000	1200	750	D400-480G36/300B-FB	69	23.7" x 12.3" x 12.0"
36	480/3	450	3000	1800	1125	D400-480G36/450B-FB	93	23.7" x 12.3" x 16.1"
48	480/3	120	800	480	300	D400-480G48/120B-FB	45	23.7" x 12.3" x 7.9"
48	480/3	240	1600	960	600	D400-480G48/240B-FB	69	23.7" x 12.3" x 12.0"
48	480/3	360	2400	1140	900	D400-480G48/360B-FB	93	23.7" x 12.3" x 16.1"
80	480/3	85	560	340	210	D400-480G80/85B-FB	45	23.7" x 12.3" x 7.9"
80	480/3	170	1130	680	425	D400-480G80/170B-FB	69	23.7" x 12.3" x 12.0"
80	480/3	255	1700	1020	635	D400-480G80/255B-FB	93	23.7" x 12.3" x 16.1"
600 Volt input								
24	600/3	150	1000	600	375	D600G24/150B-FB	117	23.7" x 12.3" x 12.0"
24	600/3	300	2000	1200	750	D600G24/300B-FB	141	23.7" x 12.3" x 24.1"
36	600/3	150	1000	600	375	D600G36/150B-FB	117	23.7" x 12.3" x 12.0"
36	600/3	300	2000	1200	750	D600G36/300B-FB	141	23.7" x 12.3" x 24.1"
48	600/3	120	800	480	300	D600G48/120B-FB	117	23.7" x 12.3" x 12.0"
48	600/3	240	1600	960	600	D600G48/240B-FB	141	23.7" x 12.3" x 24.1"
80	600/3	85	560	340	210	D600G80/85B-FB	117	23.7" x 12.3" x 12.0"
80	600/3	170	1130	680	425	D600G80/170B-FB	141	23.7" x 12.3" x 24.1"

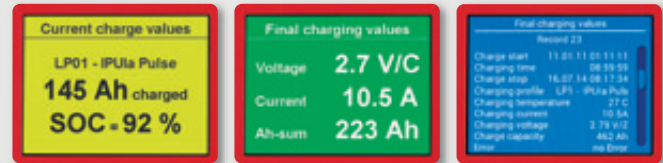
Specifications are subject to change without notice.

Charges all common battery types

- Traffic Light or Touch Screen display options
- Small Lightweight Modular Design
- Adjustable parameter settings
- Efficiency – 96 %
- Multi-voltage DC Operation
- Low Energy Cost
- Up to 54 kW Cabinet Design available
- Options available:
 - Communications with Battery / Lithium Ready / Euro Connectors / Electrolyte circulation Air Pump
- UL / CEC / CSA Approved
- Up Battery Monitor with communications and data collection to optimize fleet

Two versions of display available

- **Touch Screen**
 - Full menu functionality
 - Background changes color with status change



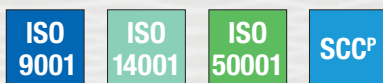
- **Traffic Light**
 - Similar to above, but only screen color changes depicting status. Same screen form and fit, no data shown
 - Menu/data only available through Traction Monitor software

New BatCom

- Bluetooth® communication
- Large display / Large light indications
- Easy to install split core CT
 - Separate from main body
- Temp and electrolyte level probes
- Stand alone monitor or used to tell charger profile and/or battery size/voltage



The Bluetooth® trade name and logo are registered trademarks of Bluetooth SIG, Inc.



BENNING

Benning Power Electronics, Inc.
 1220 Presidential Drive • RICHARDSON, TEXAS 75081
 Tel.: +1 214 / 553 1444 • Fax: +1 214 / 553 1355
 E-mail: sales@benning.us • Internet: www.benning.us