



# HIGH•FREQUENCY CHARGE *System*<sup>TM</sup>



**MULTI•VOLTAGE**

**MULTI•CURRENT**

**UNIVERSAL  
PROGRAMMABLE  
SYSTEM**

**Maximize Battery  
Performance and  
Life**

Efficient charge solutions for  
all your motive power needs

GECI Blue Diamond<sup>TM</sup> HF IBGT Chargers are the only chargers of its kind on the market to ensure a complete recharge of a battery under every operating condition imaginable, by allowing you to program the exact start rate your individual application requires

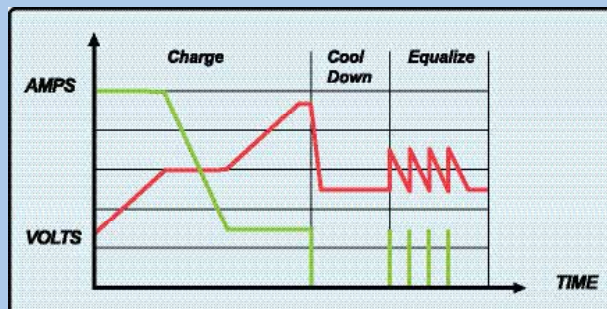


GREEN ENERGY CONCEPTS, INC  
-Powering The Future-

# MAXIMIZE BATTERY PERFORMANCE AND LIFE

A unique combination of technologies delivers unique benefits.

The Blue Diamond™ HF IGBT Charger utilizes the charging control advantages of the Insulated Gated Bipolar Transistor (IGBT) technology and the unique advantage of the multi-frequency transformer (which is used in the Green Diamond™ Charger) and provides a higher level of efficiency and fast switching



(switchmode). This unique combination thrives in all applications regardless of temperature or battery type. The Red Diamond™ is the only charger of its kind on the market that ensures a complete recharge of a battery under every operating condition imaginable, by allowing you to program the exact start rate for your individual application requirements. The complete recharge means greater battery performance and longer battery life, resulting in higher productivity and a better return on your investment.

GECI Blue Diamond™ Charger - 3 Phase						
Model Number	Part Number	Voltage Range 12 volt to...	Current Range 0A to...	Phase	Recharge Range 8 hours	Amp Draws @ 480
IGBT 3	3RD-1-1-3	24	120	3	300 - 700	4.9
IGBT 4	4RD-1-2-3	24	200	3	500 - 1100	8.11
IGBT 5	5RD-2-1-3	36	120	3	300 - 700	7.30
IGBT 6	6RD-2-2-3	36	200	3	500 - 1100	12.17
IGBT 7	7RD-3-1-3	48	120	3	300 - 700	9.74
IGBT 11	11RD-3-2-3	48	200	3	500 - 1100	16.23
IGBT 9	9RD-5-1-3	80	120	3	300 - 700	16.23
IGBT 13	13RD-5-2-3	80	200	3	500 - 1100	27.04
IGBT 14	14RD-1-3-3	24	250	3	625 - 1400	10.14
IGBT 15	15RD-2-3-3	36	250	3	625 - 1400	15.21
IGBT 18	18RD-2-3-3	48	250	3	625 - 1400	20.28
IGBT 19	19RD-5-3-3	80	250	3	625 - 1400	33.80
IGBT 20	20RD-2-4-3	36	300	3	750 - 1700	18.25
IGBT 30	30RD-3-4-3	48	300	3	750 - 1700	24.34
IGBT 40	40RD-5-4-3	80	300	3	750 - 1700	40.56

Multi-voltage; Multi-current; Programmable Charge Curve



# HIGH•FREQUENCY CHARGE *System*™

The Blue Diamond™ HF IGBT is the only charger of its kind on the market that ensures a complete re-charge of a battery under every operating condition imaginable, by allowing you to program the exact start rate your individual application requires.



## FEATURES

- Multi•Voltage
- Multi•Current
- Multi•Application Opportunity Charger
- Programmable Charging Curve
- Fully Automatic Operation
- >95% Power Factor
- Anti-Arching
- Alphanumeric LCD Display
- Electronic Fault Protection System
- Automatic Equalize
- Programmable Start and Delay by Time of Day
- Real-Time Clock
- Stackable Cabinet Design
- Data Retention Through Built-in History Log
- Comprehensive Diamond Web-based Management and Communication System
- Automatic Maintenance/Refresh Cycle
- Multiple Charge Termination Function



# HIGH-FREQUENCY CHARGE *System*™



Stand for hanging  
Blue Diamond  
Chargers available

4646 Technology Drive  
Salem, VA 24153  
P: 877-914-8999  
F: 540-982-4287

5801 Trade Center Court  
Villa Rica, GA 30180  
P: 877-812-4309  
F: 404-349-9878



## GECI

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