



AQUA DIAMOND



The GSE Diamond® High Frequency Charger is based on High Frequency IGBT and MOSFET technologies, featuring a perfect combination of very high efficiency, high power factor (PFC), universal capabilities and precise charge control. Built to withstand harsh environmental conditions, the GSE Diamond® IGBT Series will deliver the maximum power output to service the most demanding GSE applications for cargo and aircraft tugs, tow tractors, baggage tractors, belt loaders and other electric ground support equipment.



California Energy
Commission Compliant
Available



- Environmental Protection from the elements
- High Frequency IGBT and MOSFET Technologies
- Universal capabilities and precise charge control
- Highest switching frequency in the industry (100 kHz)
- Perfectly filtered output current. 100% constant current.
- Very low output ripple at <2%
- Very high efficiency (>90% average, >95% peak)
- Near unity power factor (>0.95)
- Multi-Voltage, Multi-Capacity, Multi-Chemistry
- California Energy Commission compliant option available
- Charging curve is programmable with any type of battery
- Short circuit and overload protection
- Heavy duty design, military-grade electronic parts
- Alphanumeric LCD diagnostics display
- Full technical support
- Outstanding warranty
- Compatible with Fleet Management web-based system software



GECI
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CONCEPTS, INC.

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GECI AQUA Diamond™ Charger

Part Number		DC volt Current	Output Voltage Range	Max Output Power	Recharge Range 8 hours	Amp Draws @ 480/600
NON CEC	BDN-080120T-483+00KTH	24-120	24-80 Vdc	3.5	525 - 750	6.0/5.0
		36-120	24-80 Vdc	5.2	525 - 750	9.0/7.0
		48-120	24-80 Vdc	6.9	525 - 750	11.0/9.0
	BDN-080200T-483+00KTH	24-200	24-80 Vdc	5.8	750 - 1150	9.5/8.0
		36-200	24-80 Vdc	8.6	750 - 1150	14.0/11.0
		48-200	24-80 Vdc	11.5	750 - 1150	19.0/15.0
CEC	BDN-C80120T-483+00KTH	24-120	24-80 Vdc	3.5	525 - 750	5.3/5.0
		36-120	24-80 Vdc	5.2	525 - 750	7.9/7.0
		48-120	24-80 Vdc	6.9	525 - 750	10.6/9.0
	BDN-C80200T-483+00KTH	24-200	24-80 Vdc	5.8	750 - 1150	8.8/8.0
		36-200	24-80 Vdc	8.6	750 - 1150	13.2/11.0
		48-200	24-80 Vdc	11.5	750 - 1150	17.7/15.0

Cabinet Size: 545 x 487 x 1001mm

GECI AQUA Diamond™ Accessories

Battery Module Harness

Model Number: 0200169-BA

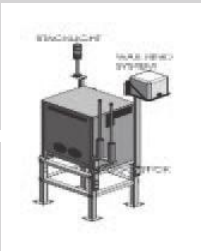
- Temperature Sensor
- Water Level
- Current Sensor
- Voltage Meter



Kit Charger Stand

Model Number: 0303325-1

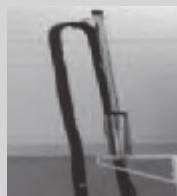
- Height 30.9"
- Enclosure MAXI-A5 Cabinet Size
- Available Max 2 Pogo Stick (order separately, MN: 0303325-P)



Pogo Stick per Cable Output

Model Number: 0303325-P

- Compatible with both stands (MN: 0303325-1 and 0303325-2)



Kit Charger Stand

Model Number: 0303325-2

- Height 21.65"
- Enclosure MAXI-A5 Cabinet Size
- Available Max 2 Pogo Stick (order separately, MN: 0303325-P)

