

E-SERIES

G77 >>>



Microprocessor Controlled SCR Battery Charger/Battery Eliminator

The Stryten Energy G77 Battery Chargers are engineered for the demanding requirements of Switchgear, Process Control, Oil Exploration and other DC power applications.

Powered by Microprocessor Controlled SCR technology, the G77 Battery Charger/Battery Eliminator has $\pm 0.25\%$ DC voltage regulation from no load to full load over the specified input voltage, frequency and ambient temperature ranges.

These chargers are available in DC output voltages of 24, 48, 130, and 260 VDC with DC output currents from 6 amps and above. Consult factory

for any special input and output requirements not mentioned above.

The G77 charger provides value added features such as AC/DC breakers, easy to read LCD display with text readout alarm LED's and form "C" alarm contacts. Communication options are available to remotely monitor and control the charger using DNP3, Modbus, IEC 61850 and SNMP protocols. The SNMP option features easier and faster charger setup and configuration using a web browser.

Designed to meet NEMA PE5 and UL 1012 safety standards.

STANDARD FEATURES

- G77D- Filtered
- G77DE - Battery Eliminator
- Automatic AC Voltage Compensation
- AC & DC Surge Protection (MOV)
- Temperature Compensation Adjustable (1-5 mV /cell/°C)
- Float / Equalize Mode Switch
- Digital Float and Equalize Adjustments
- Digital Current Limit Adjustment 50 to 110%
- SCR Failure Detection
- Battery Continuity Test
- Remote Equalize
- Over Temperature Protection
- LCD Display
 - DC Voltage and Current
 - Alarms
 - Unit Temperatures
- Advanced Data Logging (Micro SD)
- 5 Year Warranty
- LED Indicators
 - Float / Equalize
 - AC Failure
 - AC ON
 - Summary Alarm
 - Charger Failure
 - Low DC Current
 - Overload / Current Limit
 - Low DC Voltage
 - End of Discharge
 - High DC Voltage
 - High DC Voltage Shutdown
 - Positive & Negative Ground Detection
- Remote Annunciation Form "C" Contacts
 - AC Failure
 - Summary Alarm (See Optional Accessories For Additional Alarm Contacts)
- Alarms Latching / Non-Latching
- Equalize Timer - adjustable from 1-255 hours with five selectable modes of operation (manual, automatic every 7, 14 or 30 days and equalize after sensing a low DC voltage)



SPECIFICATIONS

ELECTRICAL

AC Input Operating Range Voltage

Voltage range: +10, -12% from nominal
Frequency range: 60 Hz \pm 5%
(50Hz Consult Factory)

Single Phase Voltages:

120, 208, 240, 480 or 600 VAC
(Tap selectable 120/208/240 on units up to 25 amp output. All other units must specify single input voltage). Consult factory for other voltages.

Three Phase Voltages:

208, 240, 480 or 600 VAC
Consult factory for other voltages.

DC Output

24, 48, 130, 260 VDC
6 to 500 amps

Efficiency*

Single Phase > 85%
Three Phase > 90%

* Based on 130Vdc output units

Output Filtering (with or without batteries):

	24V	48V	130V	260V
G77D Filtered (w/o battery)	240mV (1%)	480mV (1%)	2.6V (2%)	5.2V (2%)
G77D Filtered (w/battery)	30mV	30mV	100mV*	200mV*
G 77DE Eliminator (w/o battery)	30mV	30mV	100mV**	200mV

* Battery AH = 4x the charger's ampacity
** 30mV filtering available as an option

DC Voltage Regulation Steady State

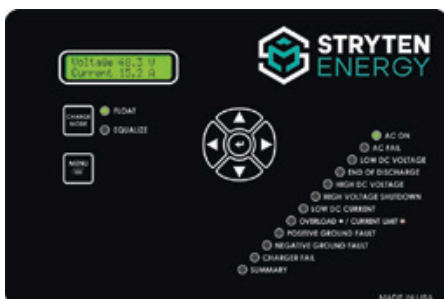
\pm 0.25% of setting from no load to full load over the specified input voltage, frequency and ambient temperature ranges.

DC Output Voltage Range

	VOLT		CELLS	
	Float	Equalize	Lead Acid	Ni-Cad
24V	23.8-29.5	24-31	11-13L	17-20N
48V	46-57	48-59	22-26L	33-39N
130V	115-140	123-147	53-62L	83-93N
260V	230-280	246-294	106-124L	166-186N

Consult Factory for other ratings.
Note: Typical cell ranges are based on the following:
Lead Acid 2.17 vpc Float, 2.33 vpc Equalize
NiCad 1.40 vpc Float, 1.55 vpc Equalize
VRLA 2.25 vpc Float, 2.27 vpc Equalize

Front Display Panel



Data Logging

G77 Battery Charger is equipped with data logging capability on an internal Micro-SD Card. It logs and stores data of Event-Driven and Time-Interval-Driven Events. The charger's data-log file does not need proprietary software to examine the data; it could be viewed and easily formatted with many popular spreadsheet programs.

Dynamic Response (On Battery)

Voltage transient \leq \pm 5% over a step change in the load from 20% to 100%
Recovery Time < 200 mS

Audible Noise

Less than 65dBA at any point 5 feet from any vertical surface of the unit.

Load Sharing

Identical G77 units, when connected in parallel, are capable of sharing the DC load within \pm 5% for individual unit outputs greater than 5% of the rated output.

REMOTE MONITORING

- Form "C" Alarm Contacts
- With optional Communications Card:
 - Connect to SCADA System
 - Web Monitoring
 - Alarm / Notification E-mails

PROTECTION

Current Walk-in

The output current will gradually increase after the charger is turned on, eliminating surges and overshoot.

Current Limit

Electronic Current-Limiting Control Circuitry provides a digitally adjustable limit from 50 to 110% of the rated output current of the charger, Factory set at 110%.

AC Breaker

Single Phase units are equipped with a 2-pole circuit breaker. Three Phase units are equipped with a 3-pole circuit breaker.

DC Breaker

Standard units are equipped with a 2-pole circuit breaker.

ENVIRONMENTAL

Operating Temperature

0 to 50°C (32 to 122°F)

Storage Temperature

-40 to 85°C (-40 to 185°F)

Relative Humidity

0 to 95% (non-condensing)

Cooling

Convection Cooled

ENCLOSURES

NEMA Type 1

Consult factory for other enclosure ratings.

Dimensions

Overall dimensions and weight are

listed on the last page. When space requirements are critical, please consult the factory. Case specifications are subject to change.

Mounting

Floor, wall or rack mounting is available; see enclosure specifications on page 4 for details.

Finish

Pretreated with a seven stage iron phosphate wash, sealer and deionized rinse. Then coated with an environmentally safe and durable ANSI 61 gray Polyester TGIC Minite powder finish.

STANDARDS

- ABS*
 - CE
 - UL/CUL 1012
 - EN 55011
 - NEMA PE5
 - FCC Part 15
 - IEEE / ANSI C37. 90.1
 - IEC 60255-22-3
 - IEC 60950-1
 - IEC 61000-4
 - IEC 61000-6-4
 - IEC 61000-6-2
 - IBC*
- * Requires an option code

OPTIONAL ACCESSORIES

- V4801C** 2 - Pole High Interrupting Capacity AC Breaker† 65KAIC @ 240 VAC/35KAIC @ 480 VAC
- V4801D** 2 - Pole High Interrupting Capacity AC Breaker† 100KAIC @ 240 VAC/65KAIC @ 480 VAC / 25KAIC @ 600 VAC
- V4801F** 3 - Pole High Interrupting Capacity AC Breaker † 65KAIC @ 240 VAC/35KAIC @ 480 VAC
- V4801G** 3 - Pole High Interrupting Capacity AC Breaker† 100KAIC @ 240 VAC/65KAIC @ 480 VAC / 25KAIC @ 600 VAC
† Only available for units with current draws above 8 amps
- V4819T** AC Breaker Trip on HVSD
- V4819U** Adjustable Ground Detection Sensitivity
- V4819V** AC Voltage & Current Metering (1%)
- V4811F** Special 30mV Filtering
- V4820Q** Equalize Fan Control Relay
- V48217** Reverse Polarity Protection & LED
- V4838D** Copper Ground Bus Bar
- V4811L** Lightning Arrester
- V48102** Blocking Diode
- V4811W** External Temperature Probe 24ft
- V4811Y** External Temperature Probe 100ft
- V4809C** I.D. Tags - White text on black background
- V4809V** I.D. Tags - Black text on white background
- V4809W** Heat Shrink Wire Markers with Electrical Schematic
- V4846R** Discrete Alarm Relays
 - Positive Ground
 - Negative Ground
 - High DC Volts
 - Charger Failure
 - Low DC Volts
 - Low DC Amps
 - Battery End of Discharge
 - High Voltage Shutdown
- V4817B*** 12 Pulse Rectification, 5% THD
- V4806G** Zero Center Ammeter
- V4857D** Hydrogen Det. HUB, Alarm Interface & Sensor
- V4857H** Hydrogen Det. HUB, Alarm Interface
- V4810Z** Electrolyte Level HUB, Alarm Interface & Sensor
- V48538** IBC Certification Label (consult factory for Anchor Kits)
- V48182** Ventilation Fan Interlock
- V4856E** Compliance to IEC 62477-1:2012 and IEC 61204-7:2016

COMMUNICATION PROTOCOLS

- V4821J** IEC 61850 Ethernet
- V4821P** DNP 3.0 Communications RS232/RS485/ Ethernet
- V4821Q** Modbus Communications RS232/RS485/ Ethernet
- V4821S** Modbus RTU RS232/RS485
- V4821X** SNMP & Web Browser (Ethernet)

* Enclosure size subject to change, consult factory.

G77 CHARGER CHART

	MODEL NUMBER	DC AMPS	DC PROTECTION DC BREAKER/RATING	SINGLE PHASE AC INPUT CURRENT DRAW AMPS @ 100% LOAD (Recommended Feeder AC Supply Breaker)									ENCLOSURE	SHIPPING WEIGHT** (Approximate)	
				(ABD)120/240/208	(A)120	(D)208	(B)240	Rating	(C)480	Rating	(ZD)600	Rating		lbs	kg
24 Volt Systems	G77D(E)-6-24V-I	6	15/10 KAIC	3 / 2 / 2 (5/5/5)	---	---	---	10 KAIC	---	---	---	---	10	71	32
	G77D(E)-12-24V-1	12	20/10 KAIC	6 / 3 / 3 (10/5/5)	---	---	---	10 KAIC	---	---	---	---	10	92	42
	G77D(E)-16-24V-1	16	25/10 KAIC	8 / 4 / 5 (15/10/10)	---	---	---	10 KAIC	---	---	---	---	10	98	45
	G77D(E)-20-24V-I	20	30/10 KAIC	10 / 5 / 6 (15/10/10)	---	---	---	10 KAIC	---	---	---	---	10	100	46
	G77D(E)-25-24V-I	25	40/10 KAIC	12 / 6 / 7 (20/10/10)	---	---	---	10 KAIC	---	---	---	---	10	104	48
	G77D(E)-30-24V-I	30	40/10 KAIC	---	15 (20)	8 (15)	7 (15)	25 KAIC	4 (10)	14 KAIC	---	---	477	147	67
	G77D(E)-35-24V-I	35	50/10 KAIC	---	17 (25)	10 (15)	9 (15)	25 KAIC	4 (10)	14 KAIC	---	---	477	150	69
	G77D(E)-40-24V-I	40	60/10 KAIC	---	20 (30)	11 (20)	10 (15)	25 KAIC	5 (10)	14 KAIC	4 (10)	18 KAIC	477	174	19
	G77D(E)-50-24V-I	50	70/10 KAIC	---	24 (40)	14 (20)	12 (20)	25 KAIC	6 (10)	14 KAIC	5 (10)	18 KAIC	477	185	84
	G77D(E)-60-24V-I	60	80/10 KAIC	---	29 (40)	17 (25)	15 (20)	25 KAIC	7 (10)	14 KAIC	6 (10)	18 KAIC	477	208	95
G77D(E)-75-24V-I	75	100/10 KAIC	---	37 (50)	21 (30)	18 (30)	25 KAIC	9 (15)	14 KAIC	7 (10)	18 KAIC	977	350	159	
G77D(E)-100-24V-1	100	150/25 KAIC	---	49 (70)	28 (40)	24 (40)*	25 KAIC	12 (20)	22 KAIC	10 (15)	18 KAIC	977	385	175	
48 Volt Systems	G77D(E)-6-48V-I	6	15/10 KAIC	6 / 3 / 3 (10/5/5)	---	---	---	10 KAIC	---	---	---	---	10	84	38
	G77D(E)-12-48V-1	12	20/10 KAIC	12 / 6 / 7 (20/10/10)	---	---	---	10 KAIC	---	---	---	---	10	108	49
	G77D(E)-16-48V-1	16	25/10 KAIC	16 / 8 / 9 (25/15/15)	---	---	---	25 KAIC	---	---	---	---	477	146	66
	G77D(E)-20-48V-I	20	30/10 KAIC	20 / 10 / 11 (30/15/20)	---	---	---	25 KAIC	5 (10)	14 KAIC	---	---	477	158	72
	G77D(E)-25-48V-I	25	40/10 KAIC	24 / 12 / 14 (35/20/25)	---	---	---	25 KAIC	6 (10)	14 KAIC	5 (10)	18 KAIC	477	170	73
	G77D(E)-30-48V-I	30	40/10 KAIC	---	29 (40)	17 (25)	15 (20)	25 KAIC	7 (10)	14 KAIC	6 (10)	18 KAIC	477	190	86
	G77D(E)-35-48V-I	35	50/10 KAIC	---	34 (50)	20 (30)	17 (25)	25 KAIC	9 (15)	14 KAIC	7 (10)	18 KAIC	477	196	89
	G77D(E)-40-48V-I	40	60/10 KAIC	---	39 (60)	23 (40)*	20 (30)	25 KAIC	10 (15)	14 KAIC	8 (15)	18 KAIC	477	240	109
	G77D(E)-50-48V-I	50	70/10 KAIC	---	49 (70)	28 (40)	24 (40)*	25 KAIC	12 (20)	22 KAIC	10 (15)	18 KAIC	477	260	118
	G77D(E)-60-48V-I	60	80/10 KAIC	---	59 (90)	34 (50)	29 (40)	25 KAIC	15 (20)	22 KAIC	12 (20)	18 KAIC	977	300	137
G77D(E)-75-48V-I	75	100/10 KAIC	---	73 (100)	42 (60)	37 (50)	25 KAIC	18 (25)	22 KAIC	15 (20)	18 KAIC	977	350	159	
G77D(E)-100-48V-1	100	150/25 KAIC	---	98 (150)	56 (90)	49 (70)	25 KAIC	24 (40)*	22 KAIC	20 (30)	18 KAIC	977	460	209	
130 Volt Systems	G77D(E)-6-130V-I	6	15/10 KAIC	15 / 7 / 8 (25/10/15)	---	---	---	25 KAIC	4 (10)	14 KAIC	3 (5)	18 KAIC	477	147	61
	G77D(E)-12-130V-1	12	20/10 KAIC	29 / 15 / 17 (40/25/25)	---	---	---	25 KAIC	7 (10)	14 KAIC	6 (10)	18 KAIC	477	185	84
	G77D(E)-16-130V-1	16	25/10 KAIC	39 / 20 / 23 (60/30/40*)	---	---	---	25 KAIC	10 (15)	14 KAIC	8 (15)	18 KAIC	477	212	96
	G77D(E)-20-130V-I	20	30/10 KAIC	49 / 24 / 28 (70/35/40)	---	---	---	25 KAIC	12 (20)	22 KAIC	10 (15)	18 KAIC	477	235	107
	G77D(E)-25-130V-I	25	40/10 KAIC	61 / 31 / 35 (90/50/50)	---	---	---	25 KAIC	15 (20)	22 KAIC	12 (20)	18 KAIC	477	255	116
	G77D(E)-30-130V-I	30	40/10 KAIC	---	73 (100)	42 (60)	37 (50)	25 KAIC	18 (25)	22 KAIC	15 (20)	18 KAIC	477	300	137
	G77D(E)-35-130V-I	35	50/10 KAIC	---	85 (125)	49 (70)	43 (60)	25 KAIC	21 (30)	22 KAIC	17 (25)	18 KAIC	977	375	111
	G77D(E)-40-130V-I	40	60/10 KAIC	---	98 (150)	56 (80)	49 (70)	25 KAIC	24 (40)*	22 KAIC	20 (30)	18 KAIC	977	422	192
	G77D(E)-50-130V-I	50	70/10 KAIC	---	---	70 (100)	61 (90)	25 KAIC	31 (50)	22 KAIC	24 (40)*	18 KAIC	977	480	218
	G77D(E)-75-130V-1	75	100/10 KAIC	---	---	106 (150)	92 (125)	25 KAIC	46 (70)	22 KAIC	37 (50)	18 KAIC	72N	735	334

	MODEL NUMBER	DC AMPS	DC PROTECTION DC BREAKER/RATING	THREE PHASE AC INPUT CURRENT DRAW AMPS @ 100% LOAD (Recommended Feeder AC Supply Breaker)							ENCLOSURE	SHIPPING WEIGHT** (Approximate)		
				(D) 208	(B) 240	Rating	(C) 480	Rating	(ZD) 600	Rating		lbs	kg	
24 Volt Systems	G77D(E)-75-24V-3	75	100/10 KAIC	11 (15)	9 (15)	25 KAIC	5 (10)	14 KAIC	4 (5)	18 KAIC	977	330	150	
	G77D(E)-100-24V-3	100	150/25 KAIC	14 (20)	12 (20)	25 KAIC	6 (10)	14 KAIC	5 (10)	18 KAIC	977	475	215	
	G77D(E)-125-24V-3	125	175/25 KAIC	18 (25)	16 (25)	25 KAIC	8 (15)	14 KAIC	6 (10)	18 KAIC	72N	530	240	
	G77D(E)-150-24V-3	150	225/25 KAIC	22 (30)	19 (30)	25 KAIC	9 (15)	14 KAIC	7 (15)	18 KAIC	72N	600	272	
	G77D(E)-200-24V-3	200	300/25 KAIC	29 (40)	25 (40)*	25 KAIC	12 (20)	22 KAIC	10 (15)	18 KAIC	72N	675	306	
	G77D(E)-250-24V-3	250	375/25 KAIC	36 (50)	31 (50)	25 KAIC	16 (25)	22 KAIC	12 (20)	18 KAIC	46N	800	363	
	G77D(E)-300-24V-3	300	400/25 KAIC	43 (60)	37 (60)	25 KAIC	19 (30)	22 KAIC	15 (25)	18 KAIC	46N	875	398	
48 Volt Systems	G77D(E)-400-24V-3	400	600/35 KAIC	58 (80)	50 (70)	25 KAIC	25 (40)*	22 KAIC	20 (30)	18 KAIC	47N	1050	477	
	G77D(E)-50-48V-3	50	70/10 KAIC	14 (20)	12 (20)	25 KAIC	6 (10)	14 KAIC	5 (10)	18 KAIC	977	317	144	
	G77D(E)-75-48V-3	75	100/10 KAIC	22 (30)	19 (30)	25 KAIC	9 (15)	14 KAIC	7 (15)	18 KAIC	977	374	170	
	G77D(E)-100-48V-3	100	150/25 KAIC	29 (40)	25 (40)*	25 KAIC	12 (20)	22 KAIC	10 (15)	18 KAIC	977	600	272	
	G77D(E)-125-48V-3	125	175/25 KAIC	36 (50)	31 (50)	25 KAIC	16 (25)	22 KAIC	12 (20)	18 KAIC	72N	680	308	
	G77D(E)-150-48V-3	150	225/25 KAIC	43 (60)	37 (60)	25 KAIC	19 (30)	22 KAIC	15 (25)	18 KAIC	72N	700	318	
	G77D(E)-200-48V-3	200	300/25 KAIC	58 (80)	50 (70)	25 KAIC	25 (40)*	22 KAIC	20 (30)	18 KAIC	46N	755	342	
130 Volt Systems	G77D(E)-250-48V-3	250	375/25 KAIC	72 (100)	62 (90)	25 KAIC	31 (50)	22 KAIC	25 (40)*	18 KAIC	46N	800	363	
	G77D(E)-300-48V-3	300	400/25 KAIC	86 (125)	75 (100)	25 KAIC	37 (60)	22 KAIC	30 (50)	18 KAIC	47N	900	408	
	G77D(E)-400-48V-3	400	600/35 KAIC	115 (175)	100 (150)	25 KAIC	50 (70)	22 KAIC	40 (60)	18 KAIC	47N	1200	544	
	G77D(E)-25-130V-3	25	40/10 KAIC	18 (30)	16 (25)	25 KAIC	8 (15)	14 KAIC	6 (10)	18 KAIC	977	305	138	
	G77D(E)-30-130V-3	30	40/10 KAIC	22 (30)	19 (30)	25 KAIC	9 (15)	14 KAIC	7 (15)	18 KAIC	977	315	143	
	G77D(E)-35-130V-3	35	50/10 KAIC	25 (40)*	22 (30)	25 KAIC	11 (15)	14 KAIC	9 (15)	18 KAIC	977	330	150	
	G77D(E)-40-130V-3	40	60/10 KAIC	29 (40)	25 (40)*	25 KAIC	12 (20)	22 KAIC	10 (15)	18 KAIC	977	335	161	
	G77D(E)-50-130V-3	50	70/10 KAIC	36 (50)	31 (50)	25 KAIC	16 (25)	22 KAIC	12 (20)	18 KAIC	977	410	186	
	G77D(E)-75-130V-3	75	100/10 KAIC	54 (80)	47 (70)	25 KAIC	23 (40)*	22 KAIC	19 (30)	18 KAIC	72N	660	299	
	G77D(E)-100-130V-3	100	150/25 KAIC	72 (100)	62 (90)	25 KAIC	31 (50)	22 KAIC	25 (40)*	18 KAIC	72N	750	340	
130 Volt Systems	G77D(E)-125-130V-3	125	175/25 KAIC	90 (125)	78 (125)	25 KAIC	39 (60)	22 KAIC	31 (50)	18 KAIC	46N	850	385	
	G77D(E)-150-130V-3	150	225/25 KAIC	108 (150)	94 (125)	25 KAIC	47 (70)	22 KAIC	37 (60)	18 KAIC	46N	1067	484	
	G77D(E)-200-130V-3	200	300/25 KAIC	144 (200)	125 (175)	25 KAIC	62 (90)	22 KAIC	50 (70)	18 KAIC	46N	1800	816	
	G77D(E)-250-130V-3	250	375/25 KAIC	180 (250)	156 (225)	25 KAIC	78 (125)	25 KAIC	62 (90)	18 KAIC	47N	2000	907	
	G77D(E)-300-130V-3	300	400/25 KAIC	216 (300)	187 (300)	65 KAIC	94 (150)	25 KAIC	75 (100)	18 KAIC	47N	2028	920	
	G77D(E)-400-130V-3	400	600/35 KAIC	288 (400)	250 (350)	65 KAIC	125 (175)	25 KAIC	100 (150)	18 KAIC	57N	2500	1134	
	G77D(E)-500-130V-3†	500	700/35 KAIC	360 (500)	312 (450)	65 KAIC	156 (225)	25 KAIC	125 (175)	18 KAIC	57N	3645	1653	

Note: Enclosure size subject to change without notice
 *May also use 35A feeder breaker
 **Consult Factory for optional export crating weight

G77 CHARGER CHART

MODEL NUMBER	DC AMPS	DC PROTECTION DC BREAKER/RATING	THREE PHASE AC Input Current Draw Amps @ 100% Load (Recommended Feeder AC Supply Breaker)							ENCLOSURE	SHIPPING WEIGHT** (Approximate)	
			(D)208	(B)240	RATING	(C)480	RATING	(ZD)600	RATING		lbs	kgs
260 Volt Systems G77D(E)-25-260V-3†	25	40/25 KAIC	36 (50)	31 (50)	25 KAIC	16 (25)	22 KAIC	13 (20)	18 KAIC	72N	600	272
G77D(E)-50-260V-3†	50	70/25 KAIC	72 (100)	62 (90)	25 KAIC	31 (50)	22 KAIC	26 (40)	18 KAIC	72N	700	317
G77D(E)-75-260V-3†	75	100/25 KAIC	108 (150)	94 (125)	25 KAIC	47 (70)	22 KAIC	39 (60)	18 KAIC	46N	900	408
G77D(E)-100-260V-3†	100	150/25 KAIC	144 (200)	125 (175)	25 KAIC	62 (90)	22 KAIC	50 (70)	18 KAIC	47N	1800	816
G77D(E)-150-260V-3†	150	225/25 KAIC	---	187 (250)	25 KAIC	94 (150)	25 KAIC	75 (100)	18 KAIC	47N	2200	998
G77D(E)-200-260V-3†	200	300/25 KAIC	---	---	25 KAIC	125 (175)	25 KAIC	100 (150)	18 KAIC	57N	3000	1360

Note: Enclosure size subject to change without notice **Consult Factory for optional export crating weight † UL Pending

ENCLOSURE SPECIFICATIONS

ENCLOSURE	OVERALL DIMENSIONS						CABLE ENTRY		STANDARD MOUNTIN	OPTIONAL MOUNTING KITS	
	WIDTH		DEPTH		HEIGHT		AC INPUT	DC INPUT		RACK	FLOOR
	in	mm	in	mm	in	mm					
10	19	483	15.1	384	12.2	310	RIGHT TOP / BOTTOM	LEFT TOP / BOTTOM	WALL	19" / 23"	✓
477	19	483	15.6	396	23.6	602	RIGHT TOP / BOTTOM	LEFT TOP / BOTTOM	WALL	19" / 23"	✓
977	20.5	521	15.8	403	37.8	962	RIGHT TOP / BOTTOM	LEFT TOP / BOTTOM	FLOOR	23"	STD
72N	27	686	24.4	621	43.6	1109	BOTTOM RIGHT	BOTTOM LEFT	FLOOR	---	---
46N	30	762	20	508	66	1676	TOP / BOTTOM	TOP / BOTTOM	FLOOR	---	---
47N	35.4	899	33.4	848	67.5	1715	TOP / BOTTOM	TOP / BOTTOM	FLOOR	---	---
57N	60	1524	30	763	77	1962	TOP / BOTTOM	TOP / BOTTOM	FLOOR	---	---

MODEL NUMBER NOMENCLATURE

G77D (E) - 25 - 130V - () - 1 - () - ()

Model Number _____

Battery Eliminator _____

DC Amps _____

DC Volts _____

Factory Assigned Accessory Code _____

Battery Cell Type Code _____

AC Phase Code _____

AC Voltage Code _____

AC Voltage Codes

ABD - 120/240/208 BL - 240/220

A - 120 B - 240

D - 208 G - 380

L - 220 ZA - 400

Q - 230

AC Phase Codes

1 - Monofásico

3 - Trifásico

Battery Cell Type Code

11L 12L 13L 22L 23L 24L 25L 26L 53L 54L 55L 56L

57L 58L 59L 60L 61L 62L 110L 115L 116L 120L

17N 18N 19N 20N 33N 34N 35N 36N 37N 38N 39N

83N 84N 85N 86N 87N 88N 89N 90N 91N 92N 93N

L = Lead Acid
N = Nickel Cadmium
LR = VRLA

When ordering, please specify:

- Stryten Model Number G77D/G77DE
- DC Amps
- DC Volts
- Special Frequency, When Required
- AC Voltage Code
- AC Phase Code
- Battery Cell Type Code
- Optional Accessories (Option Code)

Battery charger sizing guidelines:

- Required Battery Backup Time (Hours)
- DC Output Voltage
- Ampere Hour Capacity of Battery
- Allowable Recharge Time From Full Discharge (Hours), Where Applicable
- Continuous and Intermittent DC Loads and Duration (Amps)

The Energy to Challenge

Stryten Energy helps solve the world's most pressing energy challenges with a broad range of energy storage solutions and components across the Essential Power, Motive Power, Transportation, Military and Government sectors. Headquartered in Alpharetta, Georgia, we partner with some of the world's most recognized companies to meet the growing demand for reliable and sustainable energy storage capacity. Stryten powers everything from submarines to subcompacts, microgrids, warehouses, distribution centers, cars, trains and trucks. Our stored energy technologies include advanced lead, lithium and vanadium redox flow batteries, intelligent chargers and energy performance management software that keep people on the move and supply chains running.

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