

CQ2Z / CQEZ / CQKZ International Charger Quick / Trickle



- 1) GRAY QUICK CHARGE PLUG
(used alone for quick charging)
- 2) BLACK TRICKLE CHARGE PLUG
(to fit any Battery)
- 3) QUICK CHARGE INDICATOR LIGHT
- 4) Automatic voltage at 120v, 220v,
and 440V
- 5) External Breakers

- TRICKLE CHARGES ONE OR TWO BATTERIES OR MINICYCLERS*
- QUICK CHARGES ONE BATTERY OR MINICYCLER
- INDICATOR LIGHT FOR QUICK CHANGE



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- There are two types of charge plugs on the #CQ2Z/EZ /KZ Quick / Trickle Charger.
- The BLACK plug, and the GRAY.
- The BLACK Plug is for "Trickle Charge" only, and The GRAY Plug is for "Quick Charging" or "Trickle" when used at the same time the Black Plug is being used.
- Connect the Plug (#4) to any working 120V Outlet.

To "Trickle Charge" One Battery :

- Insert The Black Plug (#2) into the charge jack on the Battery or Minicycler. The Red Charge Light on the Battery or Minicycler will light up indicating if it is being charged.
- NOTE : The Red Indicator Light (#3) on the charger will NOT light up in the trickle charge mode.

To "Trickle Charge" Two Batteries or Minicyclers at one time :

- Insert a charge plug into each charge jack*. Both plugs on the Quick/Trickle Charger will automatically charge at the trickle charge rate. The Red Indicator Light (#3) on the Charger will NOT light up in the trickle charge mode.
- Follow the Chart for length of time to charge. The times listed on the chart are for totally drained Batteries and should be reduced according to the charge remaining in the battery. I.E., If a Battery is only half drained, reduce the time by one half.

- When using the Gray Quick Charge Plug on a Mini Battery or a Minicycler, **YOU MUST HAVE** the "C" version Mini Battery #024C / #BSML or the Minicycler #052C / #VHMC, #052X / #VHMX or #052P / #VHBC with "PEPI" Charge Control.
 The gray plug will not fit the Mini Battery #024 (No "C") or Minicycler #052 (no "C", "P" or "X")

To "Quick Charge" :

- Insert the Gray Plug only (#1) into the charge jack.
- The Red Indicator Light (#3) on the Charger will light up, indicating it is in the quick charge mode.
- The Red Charge Light on the Battery being charged also lights up.

(If the charge plug will not fit into the charge jack, STOP AND CHECK, are you trying to quick charge a #024 Mini Battery or a #052 Minicycler without the "PEPI" charge control? You MUST use the Black Trickle Charge Plug for these.)

- When you are charging a Battery or Minicycler WITH the "PEPI" charge control the full charge indicator on the Battery will light up green when the charge is complete. At that time, the charge cycle will stop. The green light remains lit and the the charge remains stopped until the Battery cools down and power is reset. To reset the charge mode, disconnect the charger, then reconnect.

- The "PEPI" Charge Control will full charge indicator light can be installed in a non "PEPI" Battery or Minicycler by our service department for a nominal charge.
 - Batteries and Minicyclers without the "PEPI" Charge Control should be charged only until they get warm.
- Never Let a Battery Get Hot On Charge. Overcharging a Battery Makes It Hot and Damages the Battery Cells.**

Models For INTERNATIONAL Use :

This model comes with a molded cable fitted for the country it was sold in. However, when traveling abroad you may use any computer style cable with the appropriate plug for the region you are in. The auto sensing voltage will automatically sense the correct Voltage..

	TRICKLE CHARGE	QUICK CHARGE	
MINICYCLERS			#CQ2Z - W/ USA AC CORD
#VHMC/BC/MX / #052C/P/X	5-6 HOURS	2-3 HOURS	#CQEZ - W/ EURO AC CORD
BATTERIES			#CQKZ - W/ UK AC CORD
#BSML / #024C (MINI)	5-6 HOURS	2-3 HOURS	
#BMED / #025C (REGULAR)	10-12 HOURS	5-6 HOURS	
#BLRG / #026C (SUPER)	15-18 HOURS	7-8 HOURS	
#BXLG / #028C (ULTRA)	N/A	15-18 HOURS	

Flashes Per Charge

Power "ws"	#BSML #024C	#BMED #025C	#BLRG #026C	#BXLG #028C
50	400	800	1200	2400
100	200	400	600	1200
200	100	200	300	600
400	50	100	150	300
600	33	67	100	200
800	25	50	75	150
1200	17	34	50	100
1600	13	25	38	75
2000	10	20	30	60
2400	9	17	25	50
Charge Rate In Hours	#BSML #024C	#BMED #025C	#BLRG #026C	#BXLG #028C
Trickle	5 to 6	10 to 12	15 to 18	N/A
Quick	2 to 3	5 to 6	7 to 8	15 to 18
Ultra	2	4	6	12

Flashes Per Charge and Charge Times are based on fully charged Batteries.

#BSML
#024C



#BMED
#025C



#BLRG
#026C



#BXLG
#028C



COLD OR HOT TEMPERATURES

- **Do Not Charge Batteries** or store them in an air temperature below 40 F (4.4 C) or above 105 F (40.5 C).
- Longest life and best performance is obtained if Batteries are charged when the temperature is about 75 F (24 C).
- After normal use, Batteries should be fully charged.
- Do not store Batteries in a depleted condition.
- Charge Batteries before placing them in storage.
- Excess heat or cold will limit battery life as well as limit the charge on the batteries.
- In cold climates, keep Batteries on charge away from cold exterior walls.
- If the room temperature is too cool to activate the PEPI circuit, put the Battery in a drawer while Charging.

HINT :

One of the best ways to charge is with the use of an outlet timer set to turn off within the charge times listed on the chart, or use the timer to top off the Battery daily.

NOTE :

All Batteries are shipped fully charged, but will drain slowly while in stock. The charge times above are based on a Battery. Charge times will be less depending upon the amount of charge left in the Battery.

Charger Options:



#CT4Z/EZ/KZ International Multi Trickle Charger
#011 Charges up to four Batteries at a time at the Trickle Charge Rate. Indicators show if a Battery is bad or if there is a problem with connections.



#CQ2V Vehicle Quick Charger/ Power Supply
#013 10ft. cord plugs into Cigarette Lighter Indicates when connected to 12V DC power. Charges at the ULTRA RATE. NOT AUTOMATIC. Works whether vehicle is running or not.



#CT1U/E/K Single Trickle Charger
#014 Smallest, lightest and least expensive UL/CSA approved wall type Charger. Trickle Charges all but the Ultra Battery.



#CQ1U/E/K Single Quick Charger

#016 Small, Lightweight and reasonably priced. UL/CSA approved wall type Charger will charge all Batteries except the plain #024.



#CQ2Z/EZ/KZ International Quick - Trickle Charger

#017 Industrial Strength Charger for up to two Batteries. One Battery = Quick Charge rate. Two Batteries = Trickle Charge rate. One Trickle Plug and one Quick Plug



#CU1Z/EZ/KZ International Ultra Charger

#018 Best Charger. Totally Automatic. Senses the Voltage in the Battery. Tops off the Battery daily. Indicators show Charging and Full Charge. Charges at Ultra Rate.



#CU4A Four Battery Charge Cable/Test Module

#033 Use with #18 ULTRA CHARGER to charge up to four Batteries at a time! Works with Batteries of different size or charge level. Indicator shows if a Battery is bad. Convenient Reset Switch.

WARRANTY

The Charger has a warranty of one year from the purchase date. This warranty does not extend to older Batteries used with the Charger. If the Charger fails and ruins a Battery, the cells will be replaced based on the pro-rate warranty (the Battery's warranty) from the date of purchase, or shipping date, if the Battery is not registered. The age of the Charger does not affect Battery replacement cost.

Any questions or comments please call Lumedyne direct at :
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1-800 - 586-3396