

## I24XX algorithm setting instruction

### Equipment

To execute this procedure an Anderson connector fitting the size installed on the charger, connected to positive and negative cable is necessary.

### Procedure

1. Short circuit the DC (+ and -) before connecting AC 230VAC
2. Connect 230VAC

Doing this in above order, will bring the charger into “programming mode”

LED’s on the top now indicates the no. of the chosen charging algorithm. The programming mode is “available” for 3 seconds.

3. To select the next charging algorithm, you open and close the connection on the DC cables.

You see the change on the 4 LED’s on top of the charger, every time you open and close the DC connection, you go one charging curve forward. (the counting system is Binary 1.2.4.8 etc.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
							X	X	X	X	X	X	X	X	LED 8
			X	X	X	X					X	X	X	X	LED 4
	X	X			X	X			X	X			X	X	LED 2
X		X		X		X		X		X		X		X	LED 1

X = LED ON

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4. When a charging algorithm is chosen, you wait 4 sec.

The charger will then indicate the stored algorithm, by blinking with all 4 LED's a few times.

After this the charger is again in "charging" mode and can be used for charging.

## List of the curves available in the chargers I2420 and I2440

1 - Trojan TE35

2 - Trojan TE35-GEL

3 - Fullriver AGM

4 - Tubecell

5 - Lithium

6 - Customized

7 - Customized

8 - WET std.

9 - GEL std.

10 - AGM Std.

11 - Vision 6FM134DX

12 - Customized

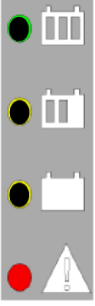
13 - Blue Light vehicles with adaptive Absorbion to handle high standby

14 - Customized

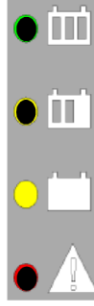
## Charging curve selection

The charger comes with various amounts of charging curves depending on pre-manufactured condition. Selecting charging curve is done without opening the charger by following the steps

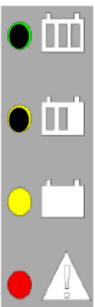
1. Disconnect the charger from Mains
2. Short circuit the battery connections (Bat + and Bat -)
3. Connect Mains
4. The charger will now display a LED pattern depending on the charging curve selected. To select the next charging curve, open the short circuit within 3 seconds and close it again. The charger is then advanced to the next charging curve. Open and close the battery connections until the wanted pattern is shown and wait 3 seconds. All four LEDs flash a couple of times to signal that the new charging curve has been stored and the charger is ready for use.



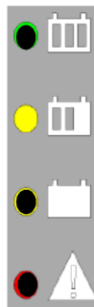
**Charging curve 1.**  
Battery: Trojan TE35 WET  
Max Voltage:  
Steps:



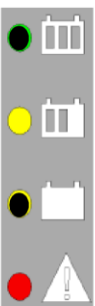
**Charging curve 2.**  
Battery: Trojan TE GEL  
Max Voltage:  
Steps:




**Charging curve 3.**  
Battery: Full River AGM  
Max Voltage:  
Steps:



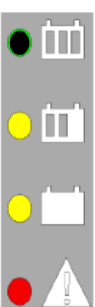
**Charging curve 4.**  
Battery: Tubecell  
Max Voltage:  
Steps:




**Charging curve 5.**  
Battery: Lithium  
Max Voltage:  
Steps:




**Charging curve 6.**  
Battery: Customized  
Max Voltage:  
Steps:



**Charging curve 7.**  
Battery: Customized  
Max Voltage:  
Steps:







**Charging curve 8.**  
Battery: WET  
Max Voltage:  
Steps:







**Charging curve 9.**

Battery:  
Max  
Steps:





**Charging curve 10.**

Battery:  
Max  
Steps:





**Charging curve 11.**

Battery: Vision  
Max  
Steps:





**Charging curve 12.**

Battery: Troian TE35-WET  
Absorption at  
Max  
Steps:





**Charging curve 13.**

Not in




**Charging curve 14.**

Not in

**Charging curve 15.**

Not in


LED not lights



LED lights