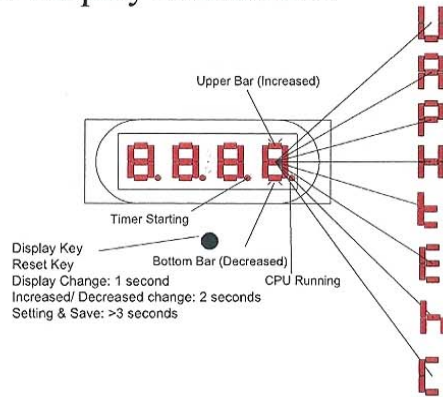


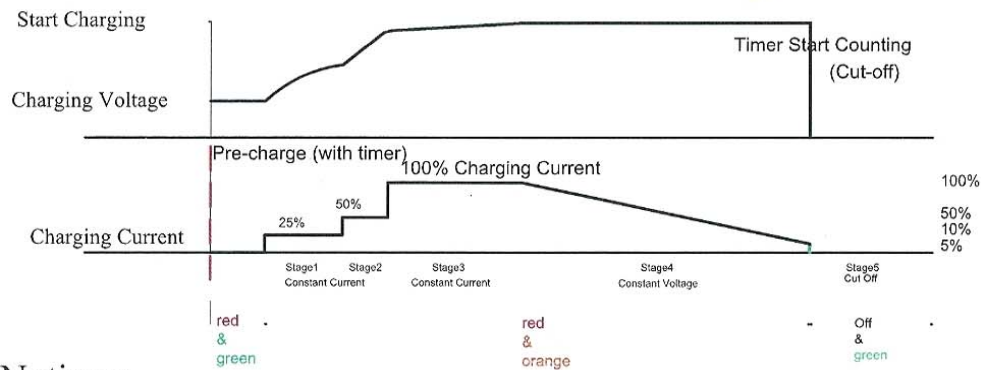
Operations:

1. Connect the charger system to a wall receptacle strongly.
2. Connect the alligator clips to battery terminals (red clip--->positive terminal; black clip--->negative terminal)
3. Turn on the power switch which is located on the front panel of charger, then the red LED lits and bi-color LED will confirm the charger's stage. And also the Digital meter will confirm the charger's O/P voltage, current and battery level.

Digital Meter Display indications:



Charging Curve and LED indications:



Notices:

1. This charger was designed for charging LiFEPO4 and Lithium type batteries only.
2. Not to recharging non-rechargeable batteries.
3. The battery charger must only be plugged into an earthed socket-outlet.
4. Always place the charger in well ventiated and dry environments.
5. The battery charger was designed by aluminum housing as itself heat sink, avoid touching the case for safety purpose because the temperature is about 50 degree C on the case when charging.

Features:

1. 3 Stages Charging: 1st-25% of rating current; 2nd-50% of rating current; 3rd-100% of rating current (equalizer).
2. Automatic Re-charging Battery: If the battery voltage <@3.2V/cell after full charged, the charger will automatic re-charging the battery.
3. Short-circuit Protection: Charger O/P cut-off automatically when short circuit
4. Overload Protection: Charger O/P current-limited automatically when overload.
5. Reverse Polarity Protection: Charger O/P cut-off automatically when battery reverse connection.
6. Unique Digitalt Meter Display: Indicating charging voltage, current, battery capacity (percent and AH) and charger status (timer, pre-charge,.....)
7. 3 LED Display: Red(power), green(full charged) & orange(equalizer charge)

Specifications:

MODEL NO.		LBC-04100D LBC-08070D	LBC-04200D LBC-08120D	LBC-04250D LBC-08140D	LBC-04300D LBC-08170D	LBC-04450D LBC-08230D	LBC-04900D LBC-08450D
OUTPUT	Equalizer Charge	14.6V+/-0.2V (29.2V+/-0.3V)					
	Rating Current (+/-5%)	10A 7A	20A 12A	25A 14A	30A 17A	45A 23A	90A 45A
	Pre-charge1(<2.5V/cell) Timer1 (30min.) Start Point (+/-5%)	2.5A 1.75A	5A 3A	6.25A 3.5A	7.5A 4.25A	11.25A 5.75A	22.5A 11.25A
	Pre-charge2(<2.9V/cell) Timer2 (6min.) Start Point (+/-5%)	5A 3.5A	10A 6A	12.5A 7A	15A 8.5A	22.5A 11.5A	45A 22.5A
	Timer3 (18min.) Start Point <10% of rating current (+/-5%)	1A 0.7A	2A 1.2A	2.5A 1.4A	3A 1.7A	4.5A 2.3A	9A 4.5A
	Cut-Off <5% of rating current (+/-5%)	0.5A 0.35A	1A 0.6A	1.25A 0.7A	1.5A 0.85A	2.3A 1.2A	4.5A 2.25A
	Wattage (Max.)	200W	300W	400W	500W	650W	1300W
	INPUT	Efficiency	>85% (at full load)				
	Voltage	100~240V	100~120V OR 200~240V				
PROTECTION	Frequency	47~63Hz					
	Battery Reverse	Yes, Automatic		Yes, By Fuse			
	Short Circuit	YES, Automatic Shutdown					
	Overload	YES, Current Limited					
	Cooling Fan	Speed Controlled by Charging Stage					
MECHANICAL	Dimensions (mm)	167x103x50	190x118x58	152x70x225	152x70x275	323x231x106	480x355x87.5
	Weight	0.9KGS	1.2KGS	2.1KGS	2.4KGS	4.2KGS	8.5KGS

1. 3,5,6,7,9,10,11, and other cells is available upon receiving customer's request.
2. The above specifications is subject to change without prior notice.