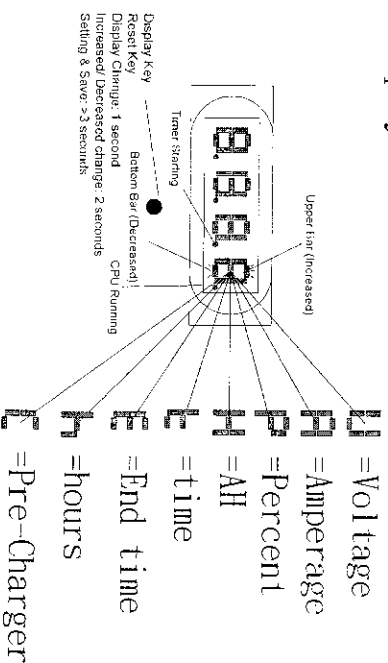


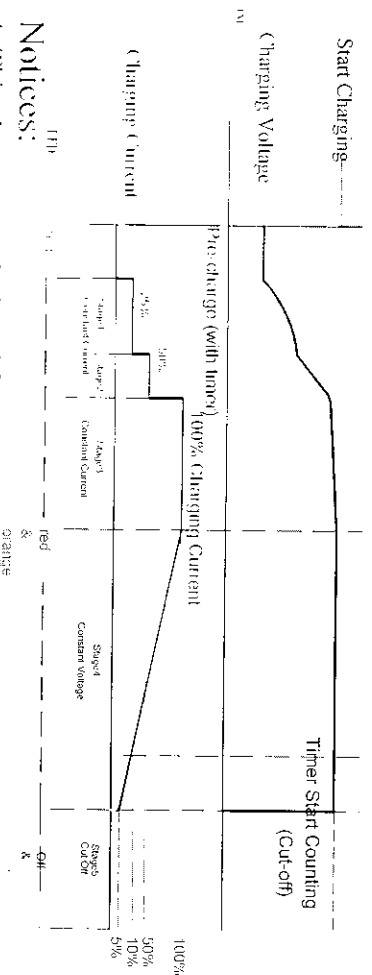
Operations:

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 lit's 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 ventilated 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.

LiFePO4 BATTERY CHARGER 1 cell

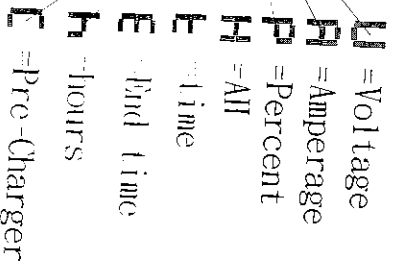
Features:

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-01100D	LBC-01200D
OUTPUT	Equalizer Charge	3.65V \pm 0.1V	
	Rating Current (1/5%)	10A	20A
	Pre-charge1 (2.5V/cell)		
	Timer1 (18min.) Start Point (1/5%)	2.5A	5A
	Pre-charge2 (2.9V/cell)		
	Timer2 (18min.) Start Point (1/5%)	5A	10A
	Timer3 (18min.) Start Point (1/5%)	1A	2A
	Pre-charge3 (2.9V/cell)		
	Timer4 (18min.) Start Point (1/5%)		
	Pre-charge4 (2.9V/cell)		
	Timer5 (18min.) Start Point (1/5%)		
	Pre-charge5 (2.9V/cell)		
INPUT	Cut-Off 5% of rating current (1/5%)	0.5A	1A
	Wattage (Max.)	37W	73W
PROTECTION	Efficiency	85% (at full load)	
	Voltage	100 240V	100 120V OR 200 240V
	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	
	Dimensions (mm)	167x103x50	190x118x58
MECHANICAL	Weight	0.9KGS	1.2KGS

Digital Meter User Manual



Item	Descriptions (Ver: 3.31)
0.0h	<p>Timer time:</p> <p>Star counting after "E" (timer) function operating. When o/p current under setting value, the 3rd dot signal flashes. It will display the total time of charge after battery has been full charged. According to the value, the user can setting the perfect charging time for his own battery. Ex: If the total time is 1 hour, user can setting the value at 1.0E.</p> <p>Stop Charging:</p> <ol style="list-style-type: none"> Current <10% of rating, the display will show "End"&"x x h" alternately. The charger without float charge stage model will stop charging and LED off. The charger with float charge stage will switch to float charging and green LED lights When over timer setting but current >10% of rating, the display will show "End" & "x x E" alternately. The charger without float charge stage model will stop charging and LED off. The charger with float charge stage will switch to float charging and green LED lights <p>3. Press "Display Key" to reset</p>
End	<p>High Voltage (Over Charging):</p> <p>If the battery voltage over the setting value, the display will show "H.V." & "xx xv", the small letter "v" (high voltage) to distinguish it from capital "V" (O/P voltage), meanwhile, the charger will stop charging & LED off. Press "Display Key" to reset</p>
230u	<p>Pre-charging:</p> <p>When battery voltage < setting value, the pre-charge timer start counting. Press & hold "Display Key" for 3 seconds while displaying "C" to enable timer setting (Upper Bar: increase; Bottom Bar: decrease, each step will increase or decrease 0.1 hour). Press & hold "Display Key" for 3 seconds to save the new setting value.</p> <p>The bottom bar of small letter "c" twinkle means the charger is charging the battery by 25% of rating current.</p> <p>The upper bar of small letter "c" twinkle means the charger is charging the battery by 50% of rating current.</p> <p>When battery voltage > setting value, the charger will switch to equalizer charge stage, meanwhile, the display will show o/p voltage automatically</p>
05C	<p>Battery Error:</p> <p>If the battery voltage can't rise to the setting value while the setting time of 25% of rating current pre-charging is over. The display will show "Err" & "xx xv" alternately; "xx xv" means the final battery voltage. The small letter "v" (final battery voltage) to distinguish it from capital "V" (O/P voltage)</p>
End	
10h	
End	
6.0E	
H.V	
230u	
05C	
00c	
03c	
Err	
148u	