



CHG-M-04C10A 12V10A LiFePO4 Lithium battery charger

Input Power	AC100V - AC-240V / 50HZ-60HZ
Normal Voltage	DC 12V (for 4S)
Charging Voltage	DC 14.6V \pm 0.2V (for 4S)
Complete Cut-off point	DC14.6V @ 0.1CA (for 4S)
Charging Current	10A \pm 0.5A
Charging Method	<p>Automatic multi-stage charging method</p> <p>Pre-Charge 1 This stage active only if the battery is severely discharge and help protect and recondition the cells against damage.</p> <p>Soft start (pre-charge 2) Soft-start, Moderate charging at beginning to avoid the peak current damage the cell at start.</p> <p>Bulk Charging with maximum current , the current is fixed according maximum capability of the charger.</p> <p>Absorption Charging with declining current to maximum up the battery capacity.</p> <p>Analysis Analysis mode to determine the battery charge status and battery saturation.</p> <p>Cut-off power Power-off mode, Shutdown voltage and current when charging is complete to avoid overcharging and battery voltage variations caused by trickle current at after charging.</p>
Protection	<p>1. Reverse polarity protection: If the battery clamp are incorrectly connected, the reverse polarity protection will ensures that the battery and charger are not damage.</p> <p>2. AC power over-load protect : AC fuse break when the AC power was over-load.</p> <p>3. Microprocessor automatically detected the battery voltage and charging current to avoid over-temperature, over-charged.</p> <p>4. Anti-Arc protection : The clips will not spar if touched together.</p> <p>5. Short circuit protection</p>
Operating Temperature Range	-20°C ~ 50°C
Dimension (L x W x H)	172mm X 102mm X 45mm
Weight	0.9 Kgs

Products Feature :

1. The CHG-M design by the new power control technology.
2. Meet International Electrical energy products requirements (Power efficiency 80 PLUS)
3. Via the International environmental protection requirements (RoHS), no pollute the environment, safe and

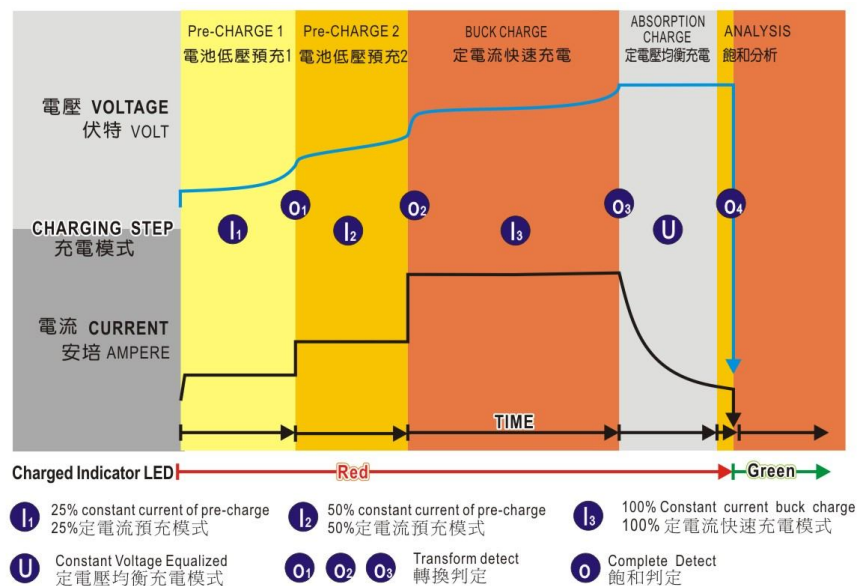
secure for use.

4. New multi-stage Charging function :

- Pre-Charge 1 This stage active only if the battery is severely discharge and help protect and
recondition the cells against damage.
- Soft start (pre-charge 2) Soft-start, Moderate charging at beginning to avoid the peak current damage the
cell at start.
- Bulk Charging with maximum current , the current is fixed according maximum capability of
the charger.
- Absorption Charging with declining current to maximum up the battery capacity.
- Analysis Analysis mode to determine the battery charge status and battery saturation.
- Cut-off power Power-off mode, Shutdown voltage and current when charging is complete to avoid
overcharging and battery voltage variations caused by trickle current at after charging.

- 5. Intelligent charging mode : Effectively increase the battery recharge capacity and improve the battery life .
- 6. Microprocessor auto detect charging status (to monitored the charging is normal) Automatically stop charging
and display fault LED if there was abnormal during charged.
- 7. Over heat protection : Automatic drop down output power to protect the charger against over heat.
- 8. Short circuit protection, The charger stop output power when positive and negative short together.
- 9. Reverse polarity protection, No output power when reversed battery polarity, ensure are not connected the wrong
way.
- 10. Anti-Arc protection : The clips will not spar if touch together or connected to battery .
- 11. Disconnect protection, when during charged the battery if there was unexpected disconnect the charger will
automatically replies to standby mode.
- 12. Battery anomaly detection mode, the fault LED display when battery or charging was abnormalities. (such as
short-circuit, disconnect or reverse polarity)

Charging Curve :



Dimension :

