



LFP-410W series 48V 7A (16s) Intelligent LFP Charger

型號	LFP-4807
Input Power	AC100V - AC-240V / 50HZ-60HZ
Normal Voltage	DC 48V (for 16S)
Charging Voltage	DC 58.4.V ±0.2V (for 16S)
Complete Cut-off point	DC58.4V @ 0.1CA (for 16S)
Charging Current	7A ±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	<ol style="list-style-type: none"> Reverse polarity protection: If the battery clamp are incorrectly connected, the reverse polarity protection will ensures that the battery and charger are not damage. AC power over-load protect : AC fuse break when the AC power was over-load. Microprocessor automatically detected the battery voltage and charging current to avoid over-temperature, over-charged. Anti-Are protection : The clips will not spar if touched together. Short circuit protection
Operating Temperature Range	-20°C ~ 50°C
Dimension (L x W x H)	242mm X 107mm X 50mm
Weight	1.2 Kgs

Application : For charging 48V(16S) Lithium Iron Phosphate Battery only

Products Feature :

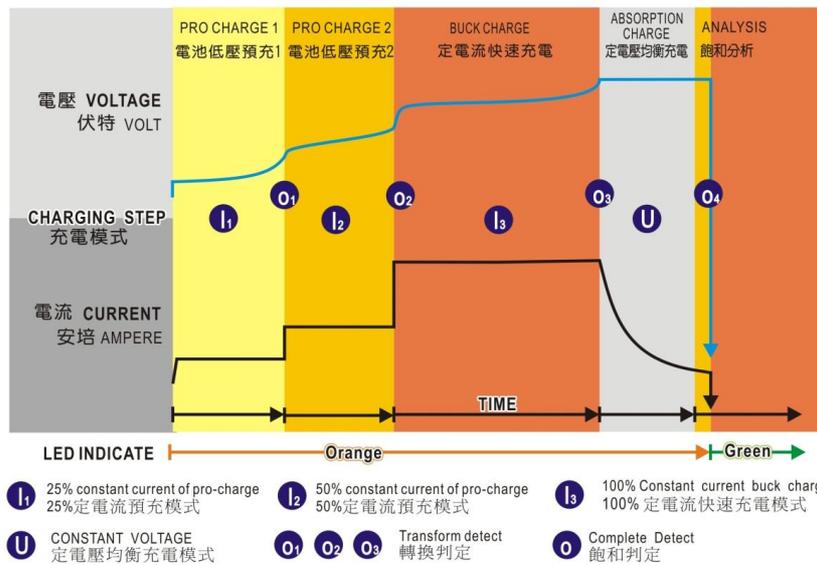
- The LFP-410W series design by the new power control technology.
- Meet International Electrical energy products requirements (Power efficiency 80 PLUS)
- Via the USA & European Safety (UL & CE) and the International environmental protection requirements (RoHS), no pollute the environment, safe and secure for use.
- New multi-stage Charging function :

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- 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. (Caution: Under the Force ON charged function if reversed polarity it may cause BMS damage.)
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 :

