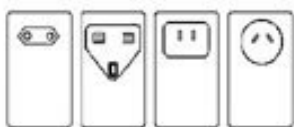


# 18W Plug in Li-Ion/Li-Polymer Battery Charger LI1807 series



## ★ Features:

- ⊕ 3 step charge control
- ⊕ Universal AC input / Full range
- ⊕ Low standby power <0.3W
- ⊕ Constant current and voltage (CC,CV mode)
- ⊕ Suitable for continue load
- ⊕ Charges 1-7 Li-ION battery cells
- ⊕ Protections: Short circuit/Overload /Over volt./Over temp.
- ⊕ 2 colors LED indicate for charging status
- ⊕ Fully enclosed plastic case
- ⊕ High reliability
- ⊕ Approvals: UL / CUL / GS-TUV / C-Tick / FCC / SAA / PSE / KC / CE / CCC
- ⊕ 3 years warranty



## SPECIFICATION

ORDER NO.	FC0502000	FC0902000	FC1501500	FC1801000	FC2101000	FC2551000	FC2900500	
CELL COUNT	1	2	3	4	5	6	7	
OUTPUT	DC VOLTAGE SET AT	4.2V	8.4V	12.6V	16.8V	21.0V	25.2V	29.4V
	RATED CURRENT	2.0A	2.0A	1.3A	1.0A	0.8A	0.6A	0.5A
	CURRENT RANGE	0~2A	0~2A	0~1.3A	0~1.0A	0~0.8A	0~0.6A	0~0.5A
	RATED POWER	8.4W	16.8W	16.38W	16.8W	16.8W	15.12W	14.7W
	RIPPLE&NOISE (Max)	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
	CHARGING VOLTAGE RANGE	3.0~4.2V	5.4~8.4V	8~12.6V	10~16.8V	13.5~21V	15~25.2V	17.5~29.4V
	LED INDICATOR	RED: Charging GREEN: Charge completed/Standby						
	SETUP, RISE, HOLD UP TIME	200ms, 50ms, 16ms at full load						
INPUT	VOLTAGE RANGE	90~264VAC 127~370VDC						
	FREQUENCY RANGE	47~63Hz						
	AC CURRENT (Typ.)	1.8A/115VAC 1.5A/230VAC						
	INRUSH CURRENT(max.)	60A/230VAC						
	LEAKAGE CURRENT (max.)	0.25mA/240VAC						
PROTEC TION	OVERLOAD	90~110% Constant current mode and over 300% pulsing mode Protection type: Constant current limiting, recovers automatically after fault condition is removed						
	OVER VOLTAGE	110~135% rated output voltage Protection type: Clamp by zener diode						
	OVER TEMPERATURE	ICTj130℃ Protection type: Shut down o/p voltage, recovers automatically after temperature goes down						
	ENVIRO NMENT	WORKING TEMP.	0~+50℃ (Refer to output load derating curve)					
WORKING HUMIDITY		20%~90% RH non-condensing						
STORAGE		-20~+85℃, 10~95% RH						

FUYUAN ELECTRONIC (HK) CO LIMITED

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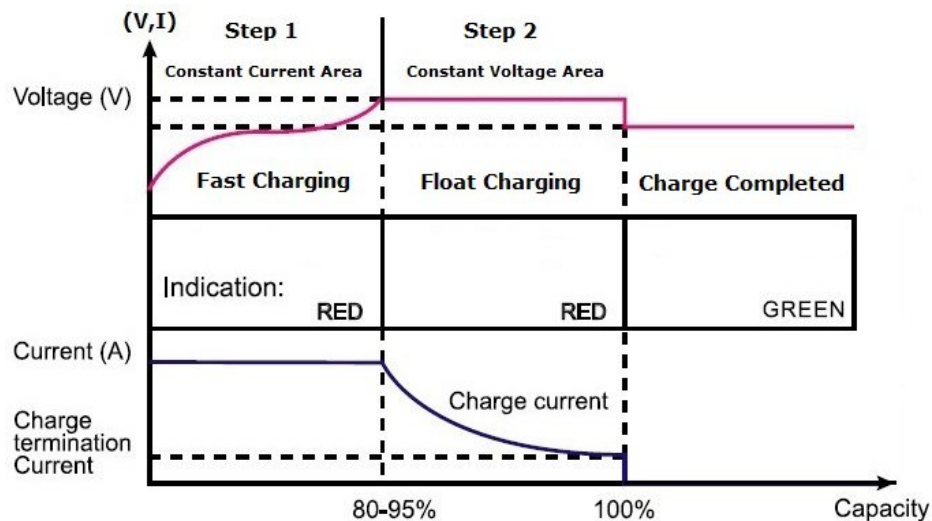
E-mail: sales@e-fuyuan.com info@e-fuyuan.com http://www.e-fuyuan.com

Add: UNYI 04, 7/F, BRIGHT WAY TOWER, NO. 33 MONG KOK ROAD, KOWLOON, HONG KONG.

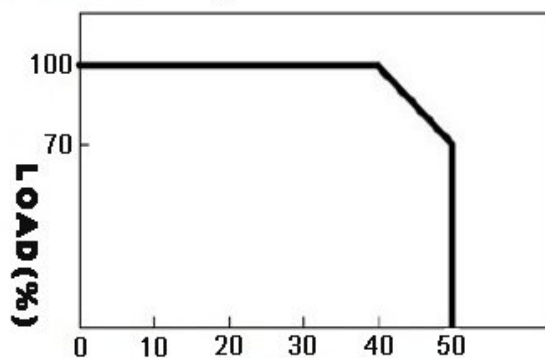
# 18W Plug in Li-Ion/Li-Polymer Battery Charger LI1807 series

	TEMP.,HUMIDITY	
	TEMP. COEFFICIENT	±0.03% / °C (0~50°C)
	VIBRATION	10~500Hz, 2G 10min./1cycle, period for 60min. each along X,Y,Z axes
SAFETY & EMC	SAFETY STANDARDS	UL60950-1, CSA22.2, EN60950-1, J60950, K60950, AS/NZS60950, GB4943 Approved
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC(2Pin); I/P-O/P: 1.5KVAC(3Pin)
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25 °C / 70% RH
	EMI CONDUCTION & RADIATION	Compliance to EN55022(CISPR22) Class B, FCC part 15 Class B
	HARMONIC CURRENT	Compliance to EN61000-3-2,3
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, Light industry level, criteria A
	OTHERS	DIMENSION
PACKING		100g; 100pcs/10kg/CARTON
CONNECTOR		5.5*2.1*10mm, center positive; Other type available by customer requested

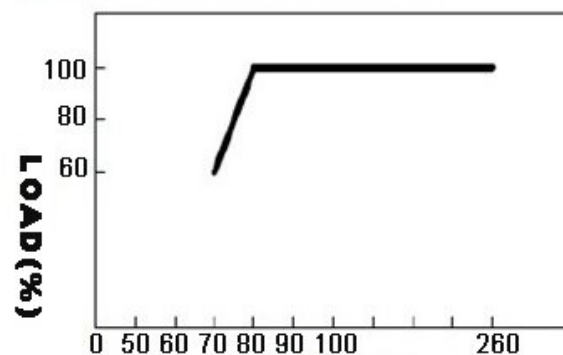
## CHARGE CURVE



## Derating Curve



## Static Characteristics



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