

## 24W DeskTop Li-Ion/Li-Polymer Battery Charger LI2407 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	FC1502000	FC1801500	FC2101500	FC2551000	FC2901000	
CELL COUNT	1	2	3	4	5	6	7	
<b>OUTPUT</b>	<b>DC VOLTAGE SET AT</b>	4.2V	8.4V	12.6V	16.8V	21.0V	25.2V	29.4V
	<b>RATED CURRENT</b>	2.0A	2.0A	1.8A	1.5A	1.2A	1.0A	0.8A
	<b>CURRENT RANGE</b>	0~2.0A	0~2.0A	0~1.8A	0~1.5A	0~1.2A	0~1.0A	0~0.8A
	<b>RATED POWER</b>	8.4W	16.8W	22.68W	25.2W	25.2W	25.2W	23.52W
	<b>RIPPLE&amp;NOISE (Max)</b>	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
	<b>CHARGING VOLTAGE RANGE</b>	3.0~4.2V	5.4~8.4V	8~12.6V	10~16.8V	13.5~21V	15~25.2V	17.5~29.4V
	<b>LED INDICATOR</b>	RED: Charging      GREEN: Charge completed/Standby						
	<b>SETUP, RISE, HOLD UP TIME</b>	200ms, 50ms, 16ms at fill load						
<b>INPUT</b>	<b>VOLTAGE RANGE</b>	90~264VAC      127~370VDC						
	<b>FREQUENCY RANGE</b>	47~63Hz						
	<b>AC CURRENT (Typ.)</b>	2.2A/115VAC      1.8A/230VAC						
	<b>INRUSH CURRENT(max.)</b>	60A/230VAC						
	<b>LEAKAGE CURRENT (max.)</b>	0.25mA/240VAC						
<b>PROTECTION</b>	<b>OVERLOAD</b>	90~110% Constant current mode and over 300% pulsing mode Protection type: Constant current limiting, recovers automatically after fault condition is removed						
	<b>OVER VOLTAGE</b>	110~135% rated output voltage Protection type: Clamp by zener diode						
	<b>OVER TEMPERATURE</b>	ICTj130℃ Protection type: Shut down o/p voltage, recovers automatically after temperature goes down						
	<b>ENVIRONMENT</b>	<b>WORKING TEMP.</b>	0~+50℃ (Refer to output load derating curve)					
	<b>WORKING HUMIDITY</b>	20%~90% RH non-condensing						
	<b>STORAGE</b>	-20~+85℃, 10~95% RH						

**FUYUAN ELECTRONIC (HK) CO LIMITED**

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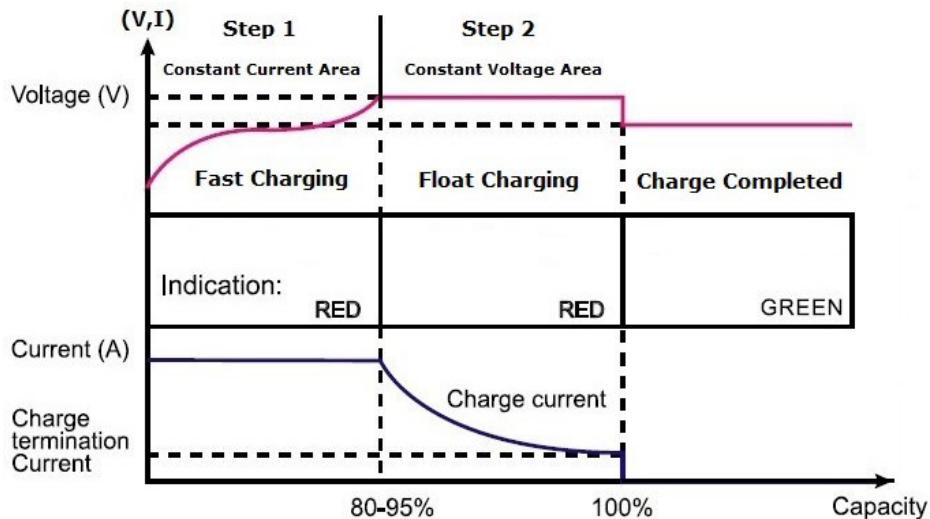
E-mail: sales@e-fuyuan.com info@e-fuyuan.com http://www.e-fuyuan.com

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

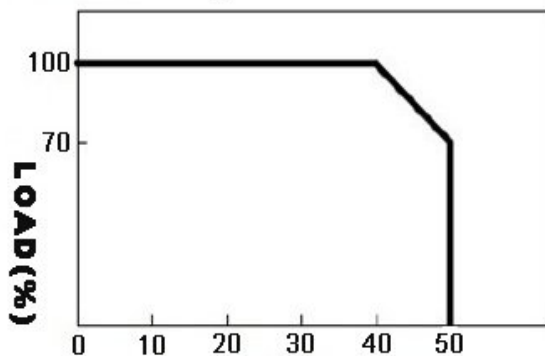
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	TEMP.,HUMIDITY	
	TEMP. COEFFICIENT	±0.03% / °C (0~50°C)
	VIBRATION	10~500Hz, 2G 10min./1cycle, period for 60min. each along X,Y,Z axes
SAFETY & EMC	SAFETY STANDARDS	UL60950-1, CSA22.2, EN60950-1, J60950, K60950, AS/NZS60950, GB4943 Approved
	WITHSTAND 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

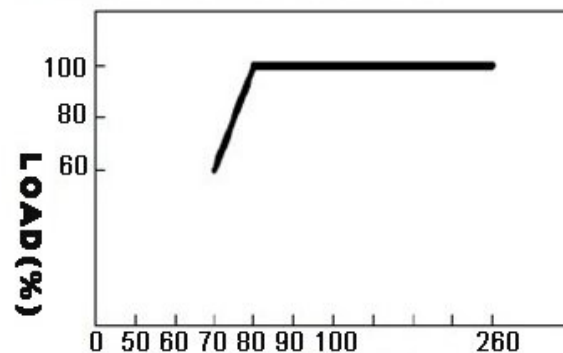
### CHARGE CURVE



### Derating Curve



### Static Characteristics



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