



■ Features

- AC100-240V input for worldwide used with rechargeable AC cord C13 inlet
- Perfect for charging all Li-ion,Lithium-ion or LiFePO4 batteries
- Fully automatic CC then CV charging process
- Bi-color indicator for battery charging,Red:charging Green:Floating
- Output constant current for faster charging
- Protections:Short circuit/OVP/OCP/Overload/Polarity reversed
- 100% full load and burn-in test
- High efficiency,long life and high reliability
- 2 years warranty

■ Description

EP-3PLF30XX series is a 30W CC then CV universal fully automatic smart charger with Bi-color indicator for battery charging EP-3PLF30XX fully automatic CC then CV charging process,stage "CC" the charger outputs bulk current charging The battery voltage rise gradually. Then,"CV"stage is followed,the output voltage is limited at 4.2V/Cells for Li-ion batteries when the charging current drops to 1/10C(0.2~0.3A) ;The battery is nearly full. then the Green LED is ON

■ Display Panel



LED color:

Green:Power on/ Battey is full

Red:Charging

Off:fault /such as the polarity reversed

■ Model Encoding

EP-3PL/F30**16**



Output voltage

Output power

Battery type :Li-ion



■ Applications

Suit battery:

- li-ion/Lithium

4cells 16.8V / 1.8A

e-bike,motorcycle,electric vehicle,
electric tools, emergency light, R/C toys,
portable electronics devices,
field detection instrument

30W 2 stage univesals CC then CV battery charger **EP-3PL/F3016** series

■ Specification

Model			EP-3PL3016				
OUTPUT	DC Voltage		16.8V				
	RATED CURRENT		1.8A				
	RATED POWER		30.2W				
	VOLTAGE RANGE		12~16.8V				
	CURRENT RANGE		±0.2A				
	VOLTAGE TOLERANCE		±1%				
	LINE REGULATION		±0.5%				
INPUT	VOLTAGE RANGE	100~240VAC					
	FREQUENCY RANGE	47~63Hz					
	EFFICIENCY		80%				
	AC CURRENT	0.3A/115 VAC 0.15A/230VAC					
FUNCTION	CHAEGING PROCESS	CC the CV					
	CHARGING MODE	Automatic 2 stages					
	FOLATING CHARGE CONDITION		>0.3A				
	CHARGING INDICATOR	Red LED:Charging Green LED:Power on/Floating					
	SUIT BATTERY		16.8V 2~20Ah				
	CHARGING TIME	1~10H					
PROTECTION	OVER VOLTAGE						
	OVER LOAD	110~140% rated output power					
	OUTPUT SHORTED	LED OFF/Hiccup mode,recovers automatically after fault condition is removed					
	POLARITY REVERSED	LED OFF/Hiccup mode,recovers automatically after fault condition is removed					
ENVIRONMEN	WORKING TEMP.	-10 ~ +50°C					
	WORKING HUMIDITY	20`90% RH NON-CONDENSING					
	STORAGE TEMP.,HUMIDITY	-10 ~ +50°C 20`90%					
	Cooling	Natural convection					
	water poof	IP64 Dust protected,water splashing resistance					
IMPACT	1 Meter drop test>=3times						
SAFETY	SAFETY STANDARDS	EN60950-1					
	EMC STANDARD	T.B.D					
	MTBF	30000 Hrs MIL-HDBK-217F					
	ESD	8KV					
	ISOLATION RESISTNCE	i/p to o/p: 3000V (1 min.)					
	MAX.TEMP.RISE	< 40°C on casing					
MECHANICAL	WEIGHT	250g					
	SIZE	117*60*35MM					
	CASE	PLASTIC PC 945					