









■ Features

- •AC100-240V input for worldwide used with rechangeable AC cord C13 inlet
- Perfect for charging all Li-ion battery
- Fully automatic 4 stages charging process by MCU controlled
- •Green 4Leds indicator for battery charging and Red Led indicator for Power on
- 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

■ Applications

Suit battery:

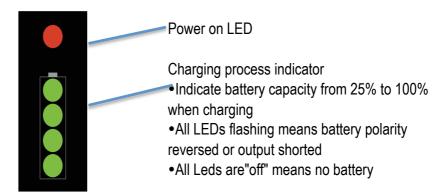
Li-ion battery 3 cells 4~60AH

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

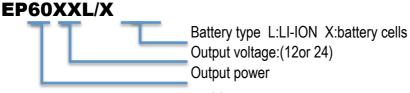
■ Description

EP60XXLX series is a 60W 4 stages smart battery charger by MCU controlled with 4Leds indicator for battery charging EP60XXLX programmed 4 stages Ip-Im-Um-Cut off charging process ,Stage "Ip" is a pre-charge function for deep dischargedbattery ,it is helpful for battery's cycle life.when battery recovered by Ip small current,stage"Ip"will output bulk current,Then,"Um"stage is followed,the output voltage is limited at 4.2V/cells,until the charging current declined to 0.4A under At this stage,the battery is charged completely and the charger will cut off output automatic

■ Display Panel



Model Encoding



Http://www.oceanpowercharger.com





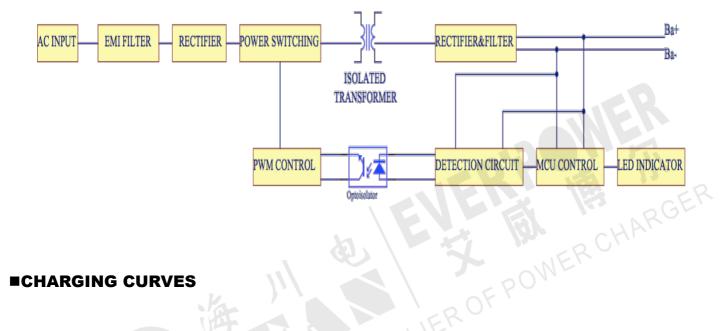
60W MCU controlled 4-stage smart battery charger

■Specification

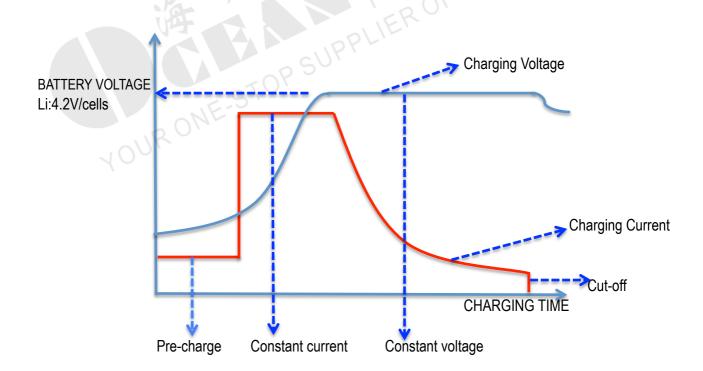
=Specific	auon_						
Model		EP6012L3	EP6012L4	EP6024L6	EP6024L7		
ОИТРИТ	DC Voltage	12.6V	16.8V	25.6V	29.4V		
	RATED CURRENT	4A	3.5A	2A	2A		
	RATED POWER	50.4W	58.8W	51.2W	58.8W		
	VOLTAGE RANGE	7.5V~12.75V	10V~17V	15V~25.6V	17.5V~29.4V		
	CURRENT RANGE	±0.3A	±0.3A	±0.2A	±0.2A		
	VOLTAGE		407	100			
	TOLERANCE	±1%	±1%	±1%	±1%		
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%		
INPUT	VOLTAGE RANGE	100~240VAC					
	FREQUENCY RANGE		1	1		Γ	1
	EFFICIENCY	80%	80%	80%	80%		
	AC CURRENT	0.6A/115 VAC					
FUNCTION	CHAEGING PROCESS	Ip-Im-Um-Cut off					
	CHARGING MODE	Fully automati	cally 4 stages b	by MCU controlle	ed		
	CHARGE END CONDITION	>0.4A	>0.3A	>0.2A	>0.2A		
	CHARGING INDICATOR	Red LED:Power on 4Green LED:25%~100% battery capacity Green LED Flash:Fault					
		3cell li	4cells li	6cells Li 3-	7cells li		
	SUIT BATTERY	4~60Ah	6~40Ah	30Ah	3~30Ah		
	CHARGING TIME	1~12H					
	OVER VOLTAGE	12.6V	16.8V	25.6V	29.4V		
	OVER LOAD	110~140% rated output power					
	OUTPUT SHORTED	Green LED Flash/Hiccup mode,recovers automatically after fault condition is removed					
	POLARITY	Constant FD Floridation and a constant of the first of th					
	REVERSED	Green LED Flash/Hiccup mode,recovers automatically after fault condition is removed					
	WORKING TEMP.	-10 ~ +50°C					
	WORKING HUMIDITY STORAGE	20`90% RH NON-CONDENSING					
		-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 EN55022 EN6900 RoHs					
	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	300g (only body)					
	SIZE	120*67*41MM					
	CASE	PLASTIC PC 945 Http://www.oceanpowercharger.com					
		Ht	tp:/ /www. c	oceanpower	cnar ger.com		

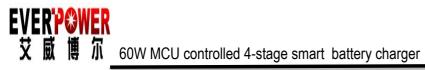


■Block Diagram



ECHARGING CURVES





■Mechanical Specification

