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Universal EPL10XXsw series li-ion/polymer battery pack charger

Feature



- Fully auto 2 stages CC then CV charging process
- universal for any li-ion/polymer battery pack 3.7V~14.8V (1~4cells) Such as 18650,14500,26650 etc,li-ion batteries pack
- With Bi-color LED indiactor,Red:charging Green:floating/finished
- Constant charging current for faster charging;
- Switch-power supply topology,Stabilized output;low ripple.
- Safety protecitons mode for battery polarity reversed,OCP OVP,and output connectors shorted
- CE,ROHS,UL approval(EN60335-2-29 and UL1310)
- 100V~240V AC input for worldwide power support

ProductsSpecification

	ITEM	UNIT	SPECIFICATION			
			INPUT			
1	Rating Input Voltage	V ac	100~240Vac 50/60Hz			
			OUTPUT			
2	Item Model		EPL1004	EPL1008	EPL1012	EPL1016
3	Rating output voltage	V dc	4.2	8.4	12.6V	16.8V
4	Output voltage range	V dc	3 ~ 4.25	6-8.5	9~12.6	12~16.8V
5	Charging current	A	1.7A± 0.1A	1.5A± 0.1A	1.2A	0.6A
6	Suit with Battery type		3.7V 500~6400mAh li-ion battery	7.4V 500-6400mAh li-ion battery	11.1V 500-4400mAh li-ion battery	14.8V 500-4400mAh li-ion battery
7	Charge End condition		I < 0.1A or V>4.2V	I < 0.1A or V>8.4V	I < 0.1A or V>12.6V	I < 0.1A or V>16.8V
8	Charge Mode		Auto 2 stages	Auto 2 stages	Auto 2 stages	Auto 2 stages
9	LED indicator (Bi-color)		Red: charging Green: finished/idle	Red: charging Green: finished/idl	Red: charging Green: finished/idle	Red: charging Green: finished/idl
10	Output Shorted protect	-	YES	YES	YES	YES
11	Output Reversed protect		YES	YES	YES	YES
12	Max. output power	W	10	10	10	10
13	Efficiency	%	>75%			
			Environment			
14	Operate temperature	°C	-10 ~ +40			
15	Operate humidity	%RH	< +90			
16	Storage temperature	°C	-40 ~ +70			
17	Storage humidity	%RH	0 ~ +95			
18	Cooling	-	Natural convection			
19	Impact		1 meter drop test >= 3 times			
			Mechanical			
20	Weight	g	150(only body)			
21	Size	mm	80X52X30			
22	Input/Output Cord &Terminals	-	Defined by user			
			Safety			
23	Max. temperature rise	°C	< 40 on casing			
24	Safety standards	-	EN60950 EN55022 EN6100			
25	EMC standard	-	T.B.D.			
26	MTBF	hrs	30000			
27	ESD	kV	8			
28	Hi-Pot Insulation	V	i/p to o/p: 3000 (1 min.)			