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Technical specification

# Charger for LiFePO4 cells

**12 V/5 A**



**PRODUCT WEBPAGE**



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## Charger 12 V/5 A for LiFePO4 cells

### 1. INPUT CHARACTERISTICS

No.	Item	Technical specification	Unit	Remark
1-1	Rated input voltage	230	V	AC
1-2	Input voltage range	100 – 240	V	AC
1-3	AC input voltage frequency	47 – 63	Hz	
1-4	Inrush current	< 6	A	@ 264 Vac start-up in cold condition
1-5	Max input current	2,5	A	

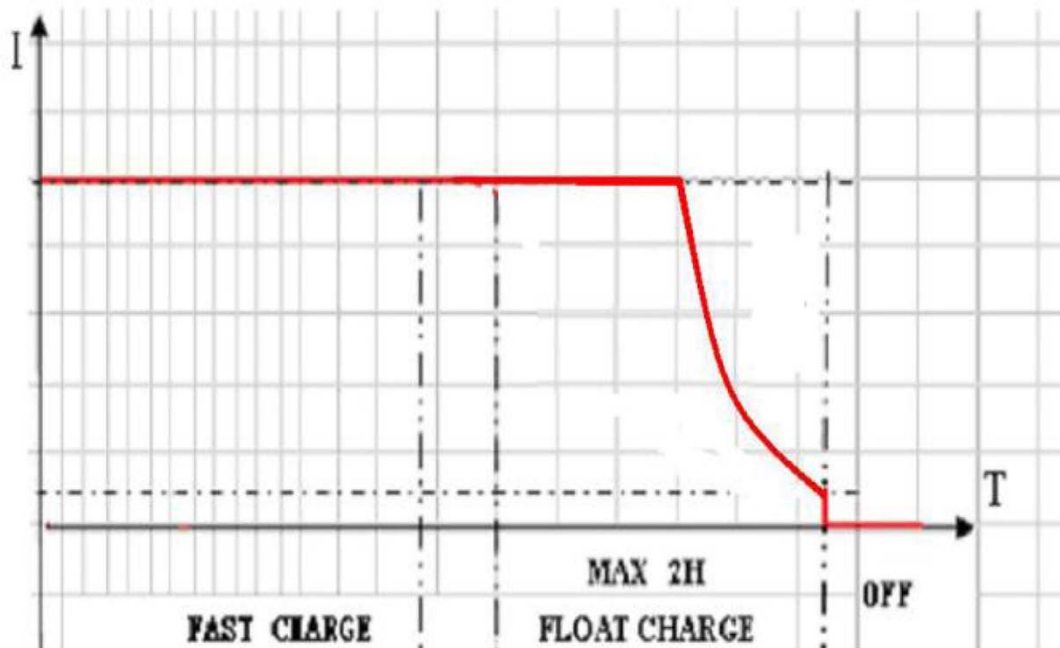
### 2. OUTPUT CHARACTERISTICS

No.	Item	Technical specification	Unit	Remark
2-1	Nominal charge voltage	12	V	4 cells @ 3.00 V 12 V battery with PCM 12 V LiFeYPO4 battery
2-2	Max charger voltage	14,6	V	4 cells @ 3.65 V 14,6 V battery with PCM 14,6 V LiFeYPO4 battery
2-3	Floating charge voltage limit	14,4 ± 0,2	V	
2-4	Constant current	5 ± 0,5	A	
2-5	Power efficiency	> 80	%	At max. load
2-6	Maximum output power	72	W	
2-7	Charge end condition	0,12 – 0,3	A	
2-8	Output voltage range	9 – 14.6	V	

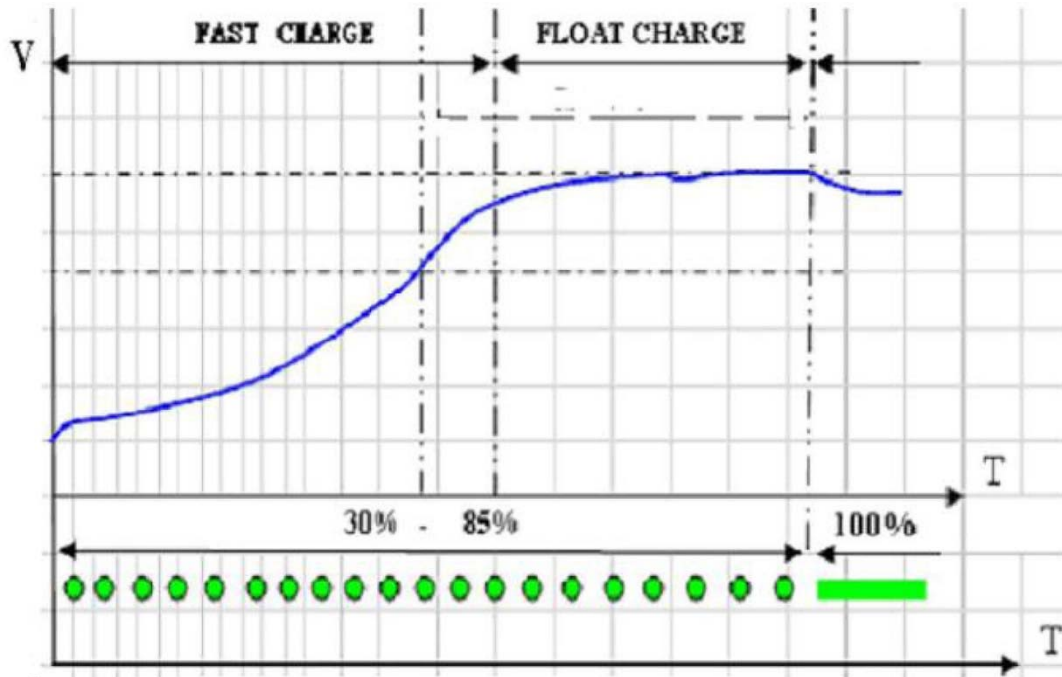
### 3. PROTECTION CHARACTERISTICS

No.	Item	Technical specification	Unit	Remark
3-1	Output over voltage protection	16	V	
3-2	Software over voltage protection	The charger software limits the maximum output voltage to a level suitable for the connected battery system		
3-3	Thermal cutback	The internal temperature monitor reduces the charger output power in extreme operational temperature to prevent damage		
3-4	Output current limiting protection	7	A	@ CC Mode
3-5	Output short circuit protection	Short circuit protection at the output terminals. Automatic recovery after restoring to normal conditions.		
3-6	Electronic reverse battery protection	The charger is electronically protected against permanent reversed battery connection.		

### 7. CHARGING CURVE (CURRENT A)



## 8. CHARGING CURVE (VOLTAGE V)



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