

ABFYY360L Series Battery Charger



360W

Output power: 360W
Output circuit: Single output
Output voltage: 12 -84V
Optional: 5.0V standby voltage
Enable Control Optional: 5.0V/12V

Product Features

- 360W
- Economy
- Circuit topology: Resonance LLC Half-bridge type , Dual-color LED charging status
- Intelligent PFM IC control, full automatic transition of CC,CV and Float/Cut-off, meet the demands for different Curve
- Protections: Over Current, Over Voltage, Over temperature, Short Circuit, Reverse Polarity, shut off or trickle and anti-reverse charge
- Aluminum case, Robust, Elegant and Reliable

Electrical Specifications

	Input
Input range	AC:100-240Vac (automatically)
Frequency	50-60HZ
Input Fuse	10A
Power Factor	0.98
Input maximum power	414W
Efficiency	87%
Leakage Current	W 0.75mA

Isolation	Input to output: 3000Vac 50Hz 1 minute W 10mA Input to case : 1500Vac 50Hz 1 minute W 10mA Output to case: DC500V 50MQ Min
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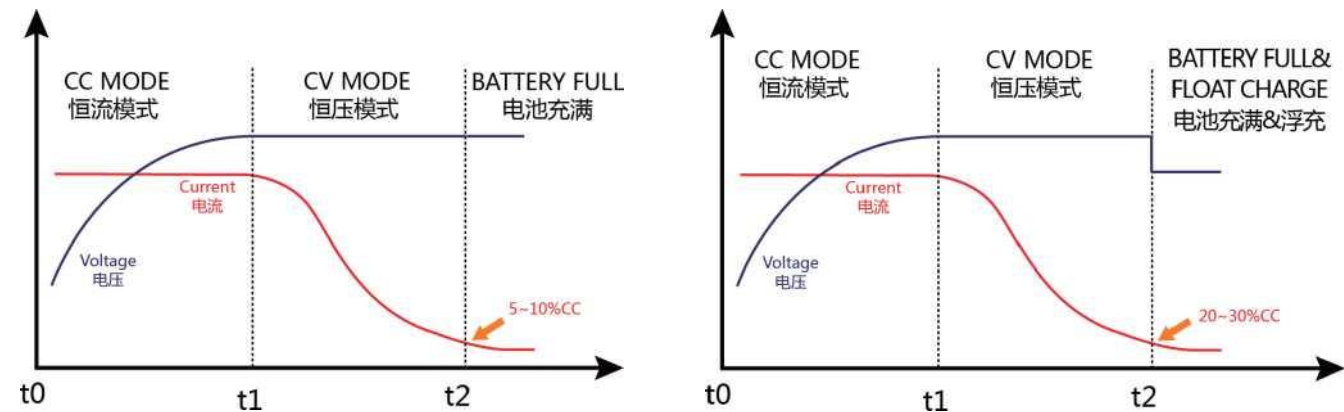
Environmental Specifications

Operating Temperature	-20°C - +40°C
Storage Temperature	-40°C - +70°C
Operating Humidity	5% - 95%RH Non-condensing
Fan Noise	W 45dB
Altitude	2000m
Anti-vibration	5mm/50Hz/600S

Safety Certificate

UL	
CSA	
VDE	
CCC	
CE	EN60950-1

Charging curve



Electrical Specifications

	Output	
Rated output	Refer to output reference	
Voltage setting accuracy	±1%	100-240Vac (input)
Total output voltage adjustment rate	1%	Power adjustment rate and load adjustment rate
Ripple	W output voltage 1 %	Main output (board edge)(Test with adding 0.1 uF ceramic capacitor and 10uF tantalum capacitor filter at the output and the bandwidth is 20MHz)
Short Circuit Protection (SCP)	Protect the power from damage	Constant charge current mode with zero voltage / Output disconnect (relay) self-recovery
Output isolation	Safety standards	
Output Over Current Protection (OCP)	-	When the charger output current exceeds the maximum charging current, it enters the over current protection state. The output current will be limited to the maximum charging current value, and the output voltage will be reduced to nearly 0V..
Output Over Voltage Protection (OVP)	-	The charger enters the standby protection state , when output voltage exceeds the max charging voltage
Over-temperature protection	Automatic recovery	85°C (±5) Protect, 75°C (±5) Self-recovery
Reverse Polarity Protection	Charger is not damaged	Output disconnect(RELAY)- self-recovery

Output Reference

Model	Nominal Voltage	Constant Voltage	Constant Current	Switching Current		AC Input Plugs (optional)	DC Output Plugs (optional)	Adjustment Rate/Load Adjustment Rate
				Li (CC8%)	Lead-acid (CC25%)			
1	12 V	14.6 V	20 A	1600ma	5000ma	Refer to AC input plugs	Refer to DC output plugs	1%
2	24 V	29.4 V	12 A	960ma	3000ma	Refer to AC input plugs	Refer to DC output plugs	1%
3	36 V	43.8 V	8 A	640ma	2000ma	Refer to AC input plugs	Refer to DC output plugs	1%
4	48 V	58.8 V	6 A	480ma	1500ma	Refer to AC input plugs	Refer to DC output plugs	1%
5	60 V	67.2 V	5 A	400ma	1250ma	Refer to AC input plugs	Refer to DC output plugs	1%
6	72 V	87.6 V	4 A	320ma	1000ma	Refer to AC input plugs	Refer to DC output plugs	1%
7	84 V	102.9 V	3 A	240ma	750ma	Refer to AC input plugs	Refer to DC output plugs	1%