



ABFYY360LP Series Battery Charger



360W

Output power: 360W
 Output circuit: Single output
 Output voltage: 12 - 72V
 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
- Optional function: MCU, CAN Communicate etc
- Waterproof Rating IP65
- 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

Environmental Specifications

Operating Temperature	-20°C - +40°C
Storage Temperature	-40°C - +70°C
Operating Humidity	5% - 95%RH Non-condensing
Altitude	2000m
Anti-vibration	5mm/50Hz/600s

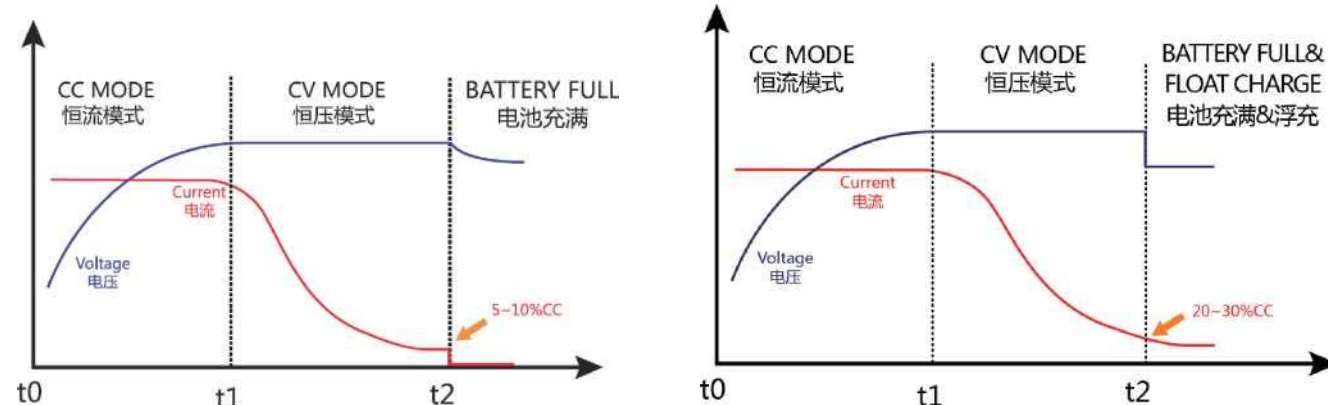
Safety Certificate

CCC	GB4706.1
GS	IEC60335
CE	EN60335
CB	IEC60335
C-TUV-US	UL1012 Part 15B

Electrical Specifications

Input	
Input range	AC:100-240Vac (automatically)
Frequency	50-60HZ
Input Fuse	10A
Power Factor	0.99
Input maximum power	388W
Efficiency	> 93%
Leakage Current	W 0.75mA
Isolation	Input to output: 3000Vac 50Hz 1 minute < 10mA Input to case : 1500Vac 50Hz 1 minute W 10mA Output to case: DC500V 50MQ Min

Charging curve



Electrical Specifications

Output		
Rated output	Refer to output reference	100-240Vac input
Voltage setting accuracy	±1%	Power adjustment rate and load adjustment rate
Total output voltage adjustment rate	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)
Ripple	W output voltage 1 %	Constant charge current mode with zero voltage/Output disconnect (relay) self-recovery
Short Circuit Protection (SCP)	Protect the power from damage	Safety standards
Output isolation		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 OV.
Output Over Current Protection (OCP)	-	The charger enters the standby protection state, when output voltage exceeds the maximum charging voltage
Output Over Voltage Protection (OVP)	-	85°C (±5) Protect, 75°C (±5) Self-recovery
Over-temperature protection	Automatic recovery	Relay off, no output; LED flashing alarm
Reverse Polarity Protection	Charger is not damaged	

Output Reference

Model	Nominal Voltage	Constant Voltage	Constant Current	Switching Current		AC Input Plugs (optional)	DC Output Plugs (optional)	Adjustment Rate/Load Adjustment Rate
				■ (CC8%)	Lead-acid (CC25%)			
1	12 V	14.6 V	20A	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	8A	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%