

ABFYY240LP Series Battery Charger



240W

Output power: 240W
 Output circuit: Single output
 Output voltage: 12 - 72V
 Optional: 5.0V/12V standby voltage
 Enable Control Optional: 5.0V/12V

Product Features

- 240W
- Economy
- Circuit topology: Resonance LLC Half-bridge type
- Dual-color LED charging status
- Waterproof Rating IP65
- Intelligent PFM IC control, full automatic transition of CC, CV and Float/Cut off, meet the demands for different charging 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

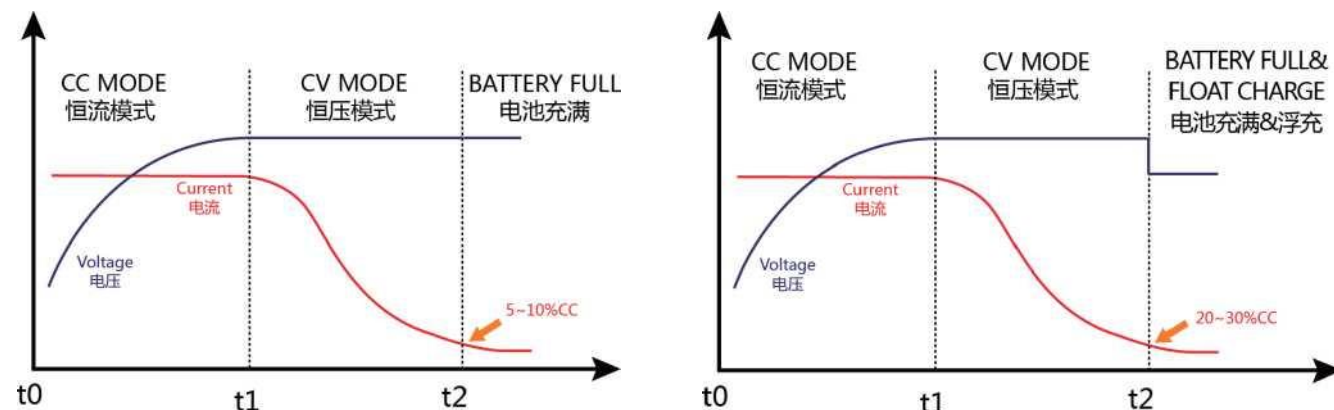
UL	EN60950-1
CSA	IEC60950-1:2005+A1 +A2
VDE	
CE	
CB	

Electrical Specifications

Input	
Input range	AC:100-240Vac (automatically)
Frequency	50-60HZ
Input Fuse	6.3A
Power Factor	0.95
Input max power	270W
Efficiency	> 89%
Leakage current	W 0.75mA

Isolation	Input—Output:3000Vac 50Hz 1 minute W 10mA
	Input—Case: 1500Vac 50Hz 1 minute W 10mA
	Output—Case: DC500V 50MQ Min

Charging curve



Electrical Specifications



		Output
Rated output	Refer to output reference	
Voltage setting accuracy	±1%	100-240 Vac (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 isolation		Safety standards
Output Over Current Protection (OCP)	Disconnected the output	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)	PWM off	The charger enters the standby state protection, when output voltage exceeds the maximum charging voltage
Over-temperature protection	Automatic recovery	100°C (±5) Protect, 85°C (±5) Self-recovery
Reverse Polarity Protection	Automatic 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	10 A	800ma	2500ma	Refer to AC input plugs	Refer to DC output plugs	1%
2	24 V	29.4 V	8 A	640ma	2000ma	Refer to AC input plugs	Refer to DC output plugs	1%
3	36 V	43.8 V	5 A	400ma	1250ma	Refer to AC input plugs	Refer to DC output plugs	1%
4	48 V	58.8 V	4 A	320ma	1000ma	Refer to AC input plugs	Refer to DC output plugs	1%
5	60 V	67.2 V	3 A	240ma	750ma	Refer to AC input plugs	Refer to DC output plugs	1%
6	72 V	87.6 V	2A	160ma	500ma	Refer to AC input plugs	Refer to DC output plugs	1%