ABFYY120 Series Battery Charger

120W

Output power: 120W
Output circuit: Single output
Output voltage: 12 - 72V
Enable Control Optional: 5.0V/12V

Product Features

- 120W
- Economy
- Circuit Topology: Flyback type
- Quasi-resonant pulse width modulation (PWM), fully 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
- Use silent cooling fan

, Aluminum case, Robust, Elegant and Reliable

Electrical Specifications

	Input
Input range	AC:100-240Vac
Frequency	50-60HZ
Input Fuse	4A
Input maximum power	142W
Efficiency	N 85%
Leakage Current	W 0.75mA
Isolation	Input to output: 1500Vac 50Hz 1 minute W 10mA Input to case: 1500Vac 50Hz 1 minute W 10mA Output to case: DC500V 50MQ Min.

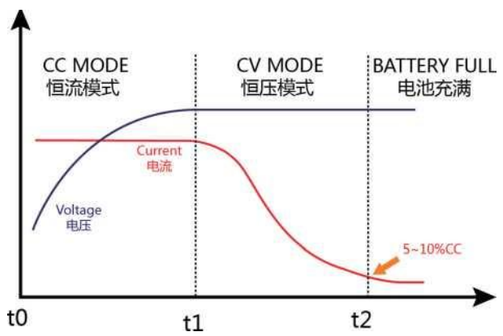
Environmental Specifications

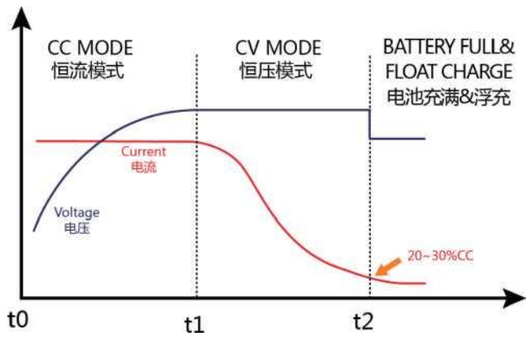
Operating Temperature	-20°C - +40°C
Storage Temperature	-40°C - +70°C
Operating Humidity	5% - 95%RH Non-condensing
Fan Noise	W 35dB
Altitude	2000m
Anti-vibration	5mm/50Hz/600S

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	Bounce mode
Output isolation	-	Safety standards
Output Over Current Protection (OCP)	-	Bounce mode
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, 65°C (±5) Self-recovery
Reverse Polarity Protection	Charger is not damaged	Breaking fuse (standard with 2 replaceable)

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	6 A	480ma	1500ma	Refer to AC input plugs	Refer to DC output plugs	1%
2	24 V	29.4 V	4 A	320ma	10OOma	Refer to AC input plugs	Refer to DC output plugs	1%
3	36 V	43.8 V	2.5 A	200ma	625ma	Refer to AC input plugs	Refer to DC output plugs	1%
4	48 V	58.8 V	2 A	160ma	500ma	Refer to AC input plugs	Refer to DC output plugs	1%
5	60 V	67.2 V	1.5 A	120ma	375ma	Refer to AC input plugs	Refer to DC output plugs	1%
6	72 V	87.6 V	1.2A	100ma	300ma	Refer to AC input plugs	Refer to DC output plugs	1%