



Professional Charger Supplier Worldwide

ABFYY Mini series Battery Charger



120W

Output power: 120W
 Output circuit: Single output
 Output voltage: 12 - 60V
 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

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 巧 0Hz/600s

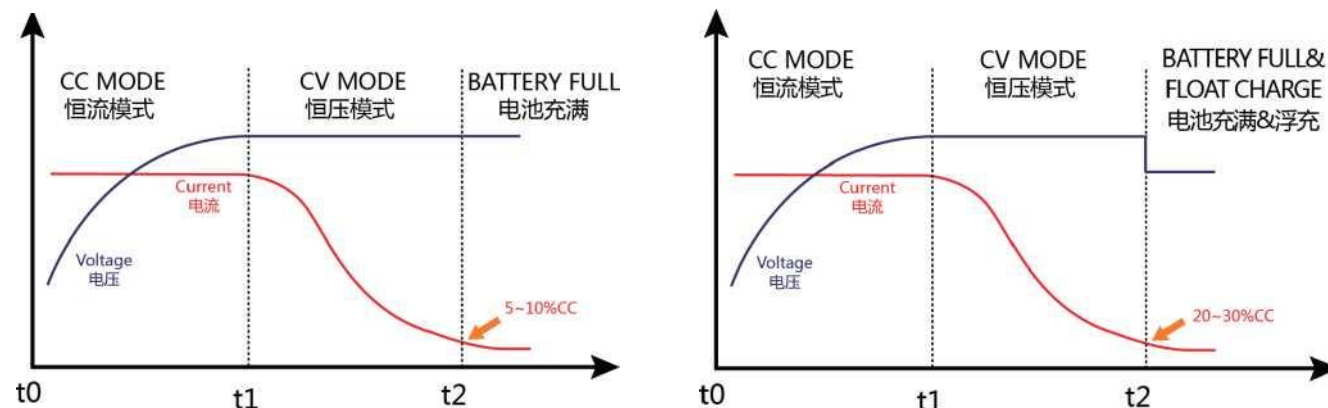
Safety Certificate

UL	
CSA	
VDE	
CCC	
CE	EN60950-1

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.

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)	Charger is not damaged	Bounce mode
Output isolation	-	Safety standards
Output Over Current Protection (OCP)	Automatic recovery	Bounce mode
Output Over Voltage Protection (OVP)	Automatic recovery	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	3 A	240ma	750ma	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 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%