ABFYY600 Series Battery Charger



600W

Output power: 600W

Output circuit: Single output Output voltage: 12 - 84V

Optional: 5.0V/12V standby voltage Enable Control Optional: 5.0V/12V

Electrical Specifications

	Input	
Input range	AC:100-120Vac/200-240Vac	
Frequency	50-60HZ	
Input Fuse	15A	
Input maximum power	682W	
Efficiency	> 88%	
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.

Product Features

- 600W
- Intelligent temperature control fan
- Circuit topology : Current Half-bridge type
- , Voltage and current display and the charge curve can be set arbitrarily
- Dual-color LED charging status display
- MCU and intelligent PWM 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-condensir		
Fan Noise	W 55dB		
Altitude Anti-vibration	2000m 5mm/50Hz/600S		

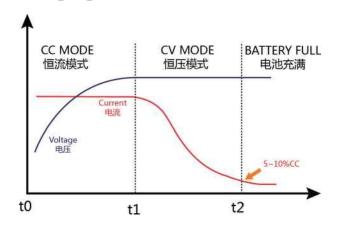
Safety Certificate

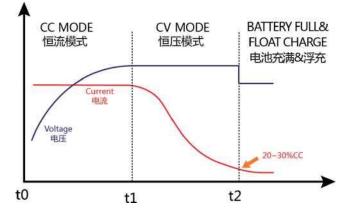
UL CSA VDE CE

CB Scheme

EN60950-1

Charging curve





Electrical Specifications

Rated output	Refer to output reference				
Voltage setting accuracy	±1%	110/220Vac 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	Relay off, no output			
Output isolation	-	Safety standards			
Output Over Current Protection (OCP)	Disconnected the output	The charger enter the standby protection state, when output current exceeds the max charging current.			
Output Over Voltage Protection (OVP)	PWM off	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			
		Fuse/ Relay			

Output Reference

Model	Nominal	l l	Constant Current	Switching Current		AC Input Plugs	DC Output Plugs	Adjustment Rate/Load
	Voltage			Li (CC8%)	Lead-acid (CC25%)	(optional)	(optional)	Adjustment Rate
1	12 V	14.6 V	25 A	2000ma	6250ma	Refer to AC input plugs	Refer to DC output plugs	1%
2	24 V	29.4 V	20 A	1600ma	5000ma	Refer to AC input plugs	Refer to DC outpur plugs	t 1%
3	36 V	43.8 V	12 A	960ma	3000ma	Refer to AC input plugs	Refer to DC outpuplugs	t 1%
4	48 V	58.8 V	10 A	800ma	2500ma	Refer to AC input plugs	Refer to DC outpur plugs	t 1%
5	60 V	67.2 V	8A	640ma	2000ma	Refer to AC input plugs	Refer to DC output plugs	t 1%
6	72 V	87.6 V	6 A	480ma	1500ma	Refer to AC input plugs	Refer to DC outpur plugs	t 1%
7	84 V	102.9 V	5 A	400ma	1250ma	Refer to AC input plugs	Refer to DC output plugs	t 1%