

ABFYY600G Series Battery Charger



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

600W

Output power: 600W
 Output circuit: Single output
 Output voltage: 36 - 72V
 Optional: 5.0V/12V standby voltage
 Enable Control Optional: 5.0V/12V

Electrical Specifications

	Input
Input range	AC: 200-240Vac (Only)
Frequency	50-60HZ
Input Fuse	10A
Input maximum power	692W
Efficiency	> 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.

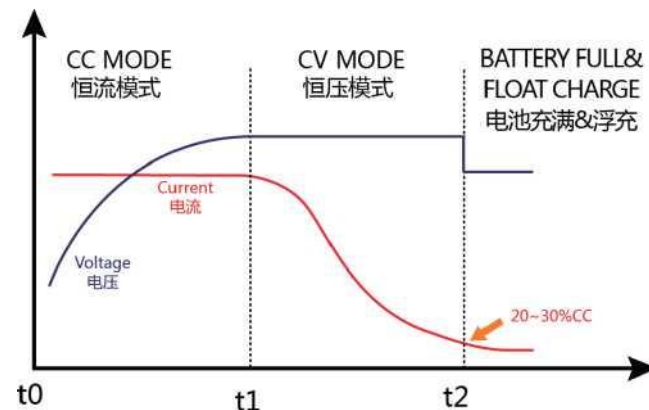
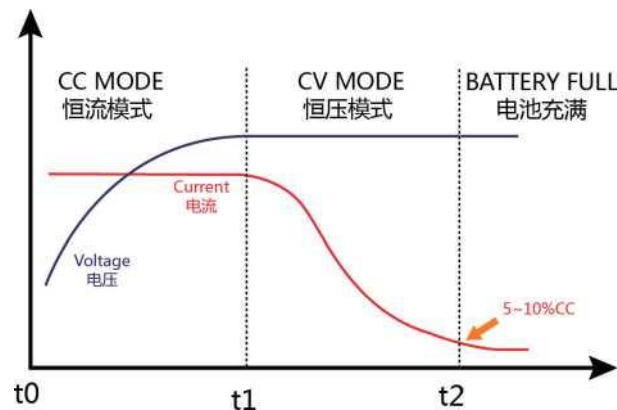
Environmental Specifications

Operating Temperature	-20°C - +40°C
Storage Temperature	-40°C - +70°C
Operating Humidity	5% - 95% RH Non-condensing
Fan Noise	W 55dB
Altitude	2000m
Anti-vibration	5mm/50Hz/600S

Safety Certificate

UL
 CSA
 VDE
 CE
 CB Scheme
 EN60335

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
Reverse Polarity Protection	Automatic recovery	Fuse/ Relay

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%)			
3	36 V	43.8 V	12 A	960ma	3000ma	Refer to AC input plugs	Refer to DC output plugs	1%
4	48 V	58.8 V	10 A	800ma	2500ma	Refer to AC input plugs	Refer to DC output plugs	1%
5	60 V	67.2 V	8A	640ma	2000ma	Refer to AC input plugs	Refer to DC output plugs	1%
6	72 V	87.6 V	6 A	480ma	1500ma	Refer to AC input plugs	Refer to DC output plugs	1%