

ABFYY700G Series Battery Charger



Product Features

- 700W
- 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

700W

Output power: 700W
 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	831W
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.

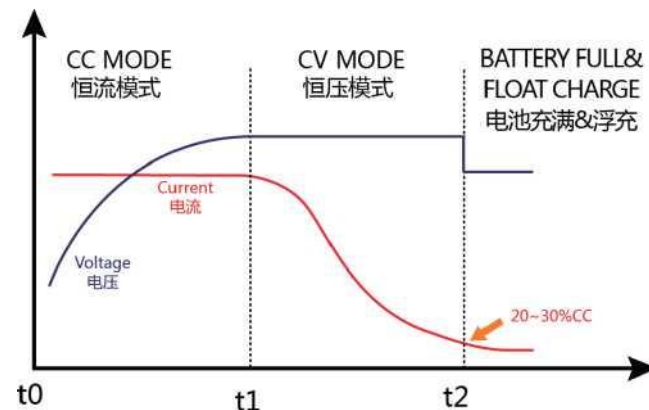
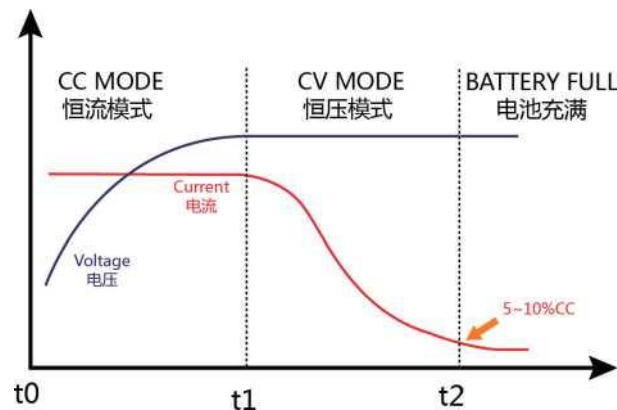
Environmental Specifications

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%
Total output voltage adjustment rate	1%
Ripple	W output voltage 1 %
Short Circuit Protection (SCP)	Protect the power from damage
Output isolation	-
Output Over Current Protection (OCP)	Disconnected the output
Output Over Voltage Protection {OVP}	PWM off
Over-temperature protection	Automatic 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%)			
3	36 V	43.8 V	15 A	1200ma	3750ma	Refer to AC input plugs	Refer to DC output plugs	1%
4	48 V	58.8 V	12 A	960ma	3000ma	Refer to AC input plugs	Refer to DC output plugs	1%
5	60 V	67.2 V	9A	720ma	2250ma	Refer to AC input plugs	Refer to DC output plugs	1%
6	72 V	87.6 V	8 A	640ma	2000ma	Refer to AC input plugs	Refer to DC output plugs	1%