ABFYY1500 Series Battery Charger

1500W

Output power: 1500W
Output circuit: Single output
Output voltage: 12-120V
Optional: 5.0V standby voltage
Enable Control Optional: 5.0V/12V

Product Features

- 1500W
- Aluminum case, easy handling
- Circuit topology: Full-bridge type

, Optional function: MCU, CAN Communicate etc.

- CPU 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
- Voltage & Current LED meter display

, Intelligent cooling fan, controlled by temperature

Electrical Specifications

	Input
Input range	AC:100-120Vac/200-240Vac
Frequency	50-60HZ
Input fuse	25A
Input maximum power	1686W
Efficiency	> 89%
Leakage current	W 0.75mA
Isolation	Input to output" 500Vac 50Hz 1 minute W 10mA Input to case: 10OOVac 50Hz 1 minute W 10mA Output to case: DC500V 50MQ Min

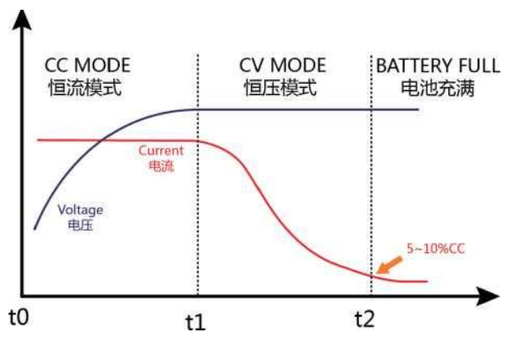
Environmental Specifications

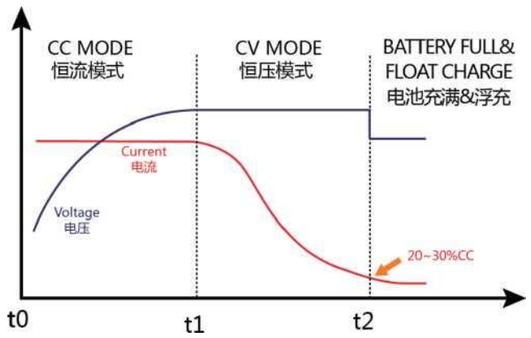
Operating temperature	-20°C - +40°C
Storage Temperature	-40°C - +70°C
Operating humidity fan noise	5% - 95% RH Non-condensing W 55dB
Altitude Anti-vibration	2000m 5mm/50Hz/600St

Safety Certificate

UL CSA	
VDE	
CE CB Scheme	EN60950

Charging curve





Electrical Specifications

	Output	
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 voltage	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 enter the standby protection state , when output current exceeds the max charging voltage .
Over-temperature protection	Automatic recovery	85°C (±5) Protect, 75°C (±5) Self-recovery
Reverse Polarity Protection	Automatic recovery	Relay off, no output

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	70 A	5600ma	17500ma	Refer to AC input plugs	Refer to DC output plugs	1%
2	24 V	29.4 V	45 A	3600ma	11250ma	Refer to AC input plugs	Refer to DC output plugs	1%
3	36 V	43.8 V	30 A	2400ma	7500ma	Refer to AC input plugs	Refer to DC output plugs	1%
4	48 V	58.8 V	25 A	2000ma	6250ma	Refer to AC input plugs	Refer to DC output plugs	1%
5	60 V	67.2 V	20 A	1600ma	5000ma	Refer to AC input plugs	Refer to DC output plugs	1%
6	72 V	87.6 V	16 A	1280ma	4000ma	Refer to AC input plugs	Refer to DC output plugs	1%
7	84 V	102.9 V	14 A	1120ma	3500ma	Refer to AC input plugs	Refer to DC output plugs	1%
8	96 V	109.2 V	12 A	960ma	3000ma	Refer to AC input plugs	Refer to DC output plugs	1%
9	108 V	117.6 V	10 A	800ma	2500ma	Refer to AC input plugs	Refer to DC output plugs	1%
10	120 V	1 34.4V	8 A	640ma	2000ma	Refer to AC input plugs	Refer to DC output plugs	1%