



ABFYY600LP Series Battery Chargers

600W

Output power: 600W
 Output circuit: Single output
 Output voltage: 12 - 72V
 Optional: 5.0V standby voltage
 Another 5.0VX12V enable control option



Product features

- 600W
- Aluminum case
- Circuit topology: Resonance LLC Half-bridge type
- Optional function: MCU, CAN Communicate etc
- Waterproof Rating IP65
- MCU and intelligent PFM 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

Electrical Specifications

	Input
Input range	AC:100-240Vac (automatically)
Frequency	50-60HZ
Input fuse	15A
Power factor	0.99
Input maximum power	653W
Efficiency	92%
Leakage current	W 0.75mA

isolation input-output :3000Vac 50Hz 1 minute W 10mA
 Input to case :1500Vac 50Hz 1 minute W 10mA
 Output to case :DC500V 50MQ Min

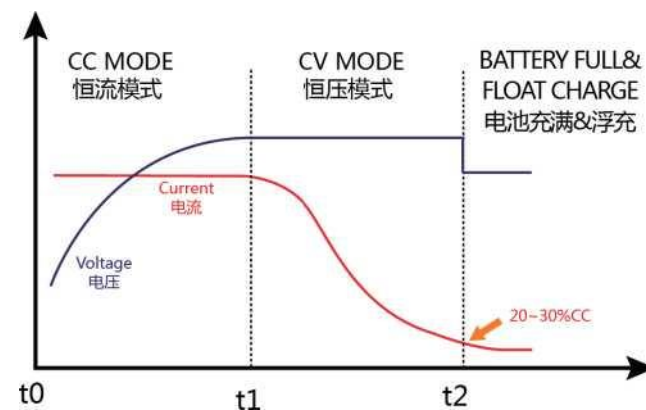
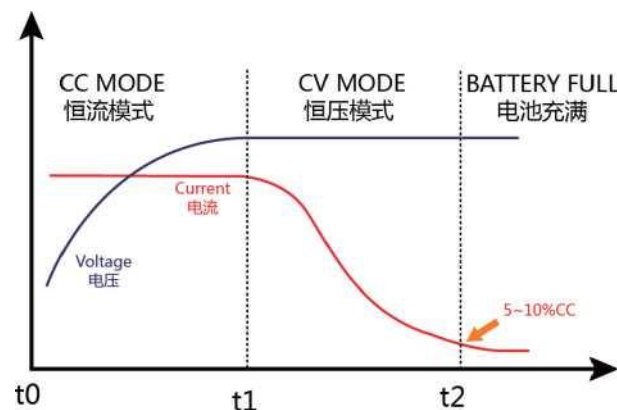
Environmental Specifications

Operating Temperature	-20°C - +40°C
Storage Temperature	-40°C - +70°C
Operating Humidity	5%~95% Non-condensing
Altitude	2000m
Vibration	5mm/50Hz/600S

Safety Certificate

UL
 CSA
 VDE
 CE
 CB Scheme
 EN60950-1

Charging curve



Electrical Specifications

	Output	
Rated output	Refer to output reference	
Voltage setting accuracy	±1%	100-240Vac (input)
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 disconnect, no output
Output isolation	Safety standards	
Output Over Current Protection (OCP)	Disconnected the output	When the output current of the charger exceeds the maximum charging current, the charger enters the standby protection state.
Output Over Voltage Protection (OVP)	PWM off	When the output current of the charger exceeds the maximum charging voltage, the charger enters the standby protection state.
Over-Temperature protection	Automatic recovery	100°C (±5) Protect, 85°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
				Li (CC8%)	Lead-acid (CC25%)			
1	12 V	14.6 V	25 A	2000ma	6250ma	"Refer to AC input plugs ^H "	DC output plugs	1%
2	24 V	29.4 V	20 A	1600ma	5000ma	"Refer to AC input plugs"	DC output plugs	1%
3	36 V	43.8 V	12 A	960ma	3000ma	"Refer to AC input plugs ^J "	DC output plugs	1%
4	48 V	58.8 V	10 A	800ma	2500ma	"Refer to AC input plugs"	DC output plugs	1%
5	60 V	67.2 V	8 A	640ma	2000ma	"Refer to AC input plugs ^M "	DC output plugs	1%
6	72 V	87.6 V	6 A	480ma	1500ma	"Refer to AC input plugs"	DC output plugs	1%