

### AT-240-3620ALFPV01

AMPTRON Lithium Iron Phosphate (LiFePO<sub>4</sub>) battery chargers have a built-in Protection System to prevent damage to the charger from almost any external accidental occurrence that would normally cause damage. The internal Protection System will automatically disconnect to prevent damage to the charger, and will automatically reconnect when the error condition has been resolved.

#### Protection System Features:

- Over Voltage Protection - When the charger output voltage exceeds the maximum charging voltage, the charger enters a standby state. It will restore to normal working conditions automatically after troubleshooting.
- Over Current Protection - When the charger output current exceeds the maximum charging current, the charger enters a standby state. It will restore to normal working conditions automatically after troubleshooting.
- Short Circuit Protection - When the charger detects a short circuit at output terminals, the charger enters a short-circuit protection state. It will restore to normal working conditions automatically after troubleshooting.
- Reverse Polarity Protection - When the charger detects that the polarity at the output terminals are reversed, the charger enters a reverse polarity protection state. It will restore to normal working conditions automatically after troubleshooting.

This Protection System is designed to last throughout the life of the charger and provide reliable charging for thousands of cycles.



## SPECIFICATIONS

Item	Specification	Description/Remark
<b>Model</b>	AT-240-3620ALFPV01	AC/DC 36V 20A LiFePO <sub>4</sub> Battery Charger
<b>Input Voltage</b>	min 200Vac to max 260Vac	
<b>Input Power</b>	Max 1053W	
<b>Constant charge voltage</b>	Vdc min 43.5V to max 44.1V	
<b>Constant charge current</b>	Min 19A to max 21A	
<b>Charge complete current</b>	Vdc min 1.4A to max 1.8A	8% CC
<b>Ripple voltage</b>	500mV	
<b>Efficiency</b>	88%	At full load
<b>Product Dimensions</b>	L-220mm x W-135mm x H-70mm	
<b>Weight</b>	3Kg	