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## 120W Battery Charger

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### Features

- 120W Total Power
- Small Form Factor, Low Cost
- Over-Voltage, Over-Current, Over-Temp, Over-Load, Short-Circuit Protections
- Led indicator: Red=Charging, Green=Battery Full
- Wide temperature operation
- CE and FCC Certifications



### Applications

- Wireless Base Stations, Cellular Base Stations
- Surveillance Systems
- Battery Backup Systems

### Description

The **TP-BC24-120XT** battery charger provides up to 120W of total charging power. The battery charger is compatible with GEL/AGM type sealed lead acid batteries and also Lithium batteries with a BMS that accept Lead Acid charging voltages.

The charger has various protections for short-circuit, over-load, over-voltage, over-current and over-temp. It operates over a wide temperature range. It includes an XT30 connector and pigtail cable for quick disconnect.

There is an LED which indicates charging (Red) or battery full (Green). The unit has a right angle removable AC cord with a North American 3 Prong Plug. The units are auto-ranging so they can work from 90VAC to 264VAC.



## Specifications

TP-BC24-120XT	
<b>Total Power Available (for Load and Battery charging)</b>	120W
<b>Nominal Battery Voltage</b>	24VDC
<b>Battery Charge Max Current</b>	4A
<b>Battery Charger Voltage</b>	29.2V
<b>Load Regulation</b>	5%
<b>Line Regulation</b>	3%
<b>Efficiency</b>	85% Minimum
<b>Output Connector</b>	200mm (8") long DC cable with XT30 disconnect connector + additional 200MM (8") long pigtail cable with XT30 and tinned ends
<b>EMC Standards</b>	FCC Class B , NE55022 Class B
<b>Safety Standards</b>	CSA 22.2, TUV EN60950
<b>AC Power Input</b>	90VAC / 264VAC , 47/63Hz
<b>AC Input Current</b>	2A Max
<b>HiPot Test</b>	3000VAC
<b>Insulation Resistance</b>	50 MOhm, 500VDC
<b>Operating Temperature</b>	-10 to +50C (14 to +122°F)
<b>Operating Humidity (RH)</b>	Up to 90% (non condensing)
<b>Storage Temperature</b>	-40 to +85°C (-40 to +185°F)
<b>Storage Humidity</b>	Up to 90% (non-condensing)
<b>MTBF (Mean Time Between Failure)</b>	>50,000 hrs
<b>Dimensions (LxWxH)</b>	152 x 89 x 51mm ( 6 x 3.5 x 2")
<b>Weight</b>	490g (17.3oz)
<b>Warranty</b>	3 Years



XT30 30A  
Quick Disconnect Connector

### System Ordering:

**TP-BC24-120XT** 120W Battery Charger, 29.2V 4A, with US 3 prong Power Cord

### For further information contact:

Tyconsystems.com

