



TP-BC24-120XT

DATA SHEET

120W Battery Charger

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

