



TP-BCxx-120XT

DATA SHEET

120W Battery Charger

Features

- 120W Total Power. 12V and 24V model.
- 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-BCxx-120XT battery chargers provide 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 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 an attached AC cord with a North American 2 Prong Plug. The units are auto-ranging so they can work from 100VAC to 240VAC.



Specifications

	TP-BC12-120XT	TP-BC24-120XT
Total Power Available (for Load and Battery charging)	120W	120W
Nominal Battery Voltage	12VDC	24VDC
Battery Charge Max Current	8A	4A
Battery Charger Voltage	14.5V	29V
Load Regulation	5%	
Line Regulation	3%	
Efficiency	85% Minimum	
Output Connector	2 Tinned Wire ; 500mm (20") long cable with XT30 disconnect connector	
EMC Standards	FCC Class B , NE55022 Class B	
Safety Standards	CSA 22.2, TUV EN60950	
AC Power Input	100VAC / 240VAC , 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)	135 x 56 x 45mm (5.3 x 2.2 x 1.8")	
Weight	283g (10oz)	
Warranty	3 Years	



XT30 30A
Quick Disconnect Connector

System Ordering:

TP-BC12-120XT 120W Battery Charger, 14.5V 8A, with US 2 prong Power Cord

TP-BC24-120XT 120W Battery Charger, 29V 4A, with US 2 prong Power Cord

For further information contact:

Tyconsystems.com

