



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

