



# TP-BC63 XT Series

## DATA SHEET

### 63V Battery Chargers

#### Features

- 500W or 900W Total Power.
- 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



TP-BC63-500XT  
63V 500W Battery Charger

#### Applications

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

#### Description

The **TP-BC63-xxx XT** battery chargers provide up to 900W of total charging power. The battery charger is designed to be a universal power source for Solar MPPT charge controllers to charge any battery that is compatible with the Solar MPPT charge controller. The 63V output connects to the MPPT controller PV/Solar input and allows for charging 12VDC to 48VDC battery banks. The MPPT charge controller must be able to handle at least 65V PV input and the minimum battery current rating as follows:

Battery Voltage	Minimum MPPT Current Rating Required using TP-BC63-500XT	Minimum MPPT Current Rating Required using TP-BC63-900XT
12V	42A	75A
24V	21A	38A
36V	14A	25A
48V	11A	19A

The chargers have various protections for short-circuit, over-load, over-voltage, over-current and over-temp. They operate over a wide temperature range. They include an XT60 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 3 Prong Plug. The units are auto-ranging so they can work from 100VAC to 240VAC, 47-63Hz. They utilize thermostatic fan cooling to maintain internal temperature.



TP-BC63-900XT  
63V 900W Battery Charger

## Specifications

	TP-BC63-500XT	TP-BC63-900XT
<b>Total Power Available (for Load and Battery charging)</b>	500W	900W
<b>Charger Output Max Current</b>	8A	14A
<b>Charger Output Voltage</b>	63V	
<b>Load Regulation</b>	5%	
<b>Line Regulation</b>	3%	
<b>Efficiency</b>	87% Minimum	
<b>Output Connector</b>	Attached 610mm (24") long cable with XT60 disconnect connector ; also separate pigtail: 457mm (18") cable with XT60 mating connector and bare wire connections.	
<b>EMC Standards</b>	FCC Class B , NE55022 Class B	
<b>Safety Standards</b>	CSA 22.2, TUV EN60950	
<b>AC Power Input</b>	100VAC / 240VAC , 47/63Hz , Attached 3 prong US Power Cord. 34" Long	
<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>	205 x 121 x 50mm ( 8.1 x 4.8 x 2")	280 x 125 x 55mm ( 11 x 4.9 x 22")
<b>Weight</b>	1.2kg (2.6lb)	1.6kg (3.5lb)
<b>Warranty</b>	3 Years	



XT60 60A  
Quick Disconnect Connector

### System Ordering:

- TP-BC63-500XT** 500W Battery Charger, 63V 8A, with US 3 prong Power Cord
- TP-BC63-900XT** 900W Battery Charger, 63V 14A, with US 3 prong Power Cord

### For further information contact:

Tyconsystems.com



930 W 14600 S Suite 600  
Bluffdale, UT 84065  
PH: 801-432-0003  
FAX: 801-618-4220