



TP-BC63-xxx-XT

User Guide

63V Battery Chargers

Details

- 500W or 900W Total Power. 63V model.
- Over-Voltage, Over-Current, Over-Temp, Over-Load, Short-Circuit Protections
- Led indicator: Red=Charging, Green=Battery Full
- XT60 connector for quick DC Disconnect
- Red or Brown Wire = V+, Black or Blue Wire = V-
- Cutting off AC Power Connector in order to make direct AC connection will not void warranty.
- Designed to be used as a power source for MPPT Solar Battery Charge Controllers. Connect to PV Input to charge 12 to 48V batteries.



The MPPT charge controller must be able to handle at least 65VDC on 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

	TP-BC63-500XT	TP-BC63-900XT
Output Power (Max)	500W	900W
Charger Output Max Current	8A	14A
Charger Output Voltage	63V	
Load Regulation	5%	
Line Regulation	3%	
Efficiency	87% Minimum	
EMC Standards	FCC Class B , NE55022 Class B	
Safety Standards	CSA 22.2, TUV EN60950	
AC Power Input	100VAC / 240VAC , 47/63Hz , Attached 3 prong US Power Cord. 34" Long	
AC Input Current	2A Max	
Operating Temperature	-10 to +50C (14 to +122°F)	
Operating Humidity (RH)	Up to 90% (non condensing)	

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