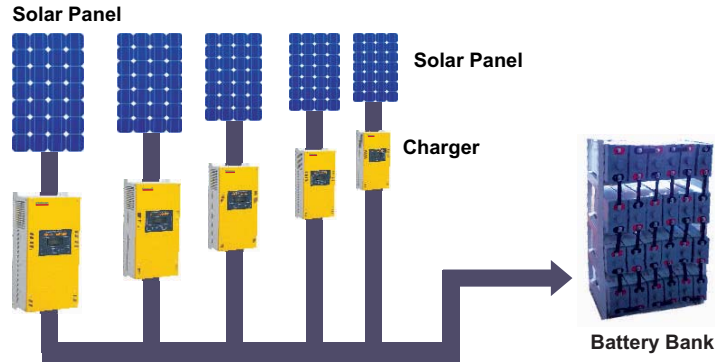


# 24V / 48V MPPT CHARGE CONTROLLERS FOR TELECOM



## MPPT CHARGING SOLUTION FOR EXISTING TELECOM INSTALLATIONS

STATCON offers state-of-art Solar Charge Controller solution for existing Telecom installations.

The special features are :

- Adaptive MPPT charging algorithm, ideal to track Max. Power Point.
- High efficiency solar power conversion.
- Can be paralleled upto any number in N+1.
- Individual Battery path current limiting.
- Option of current sharing with SMPS charger.
- Temperature compensation for VRLA Battery charging.
- Intelligent DG control feature .
- Provided with lightning and Surge protection.
- EMI / EMC compatible.
- Remote monitoring via standard RS 485 bus.
- Optional network connectivity via ethernet / GPRS for central monitoring

### APPLICATIONS

- Telecom
- Independent photovoltaic system
- Telemetry / remote monitoring
- Railway signal & Telecom
- Oil / Gas pipeline
- Satellite Earth Station / Broadcasting

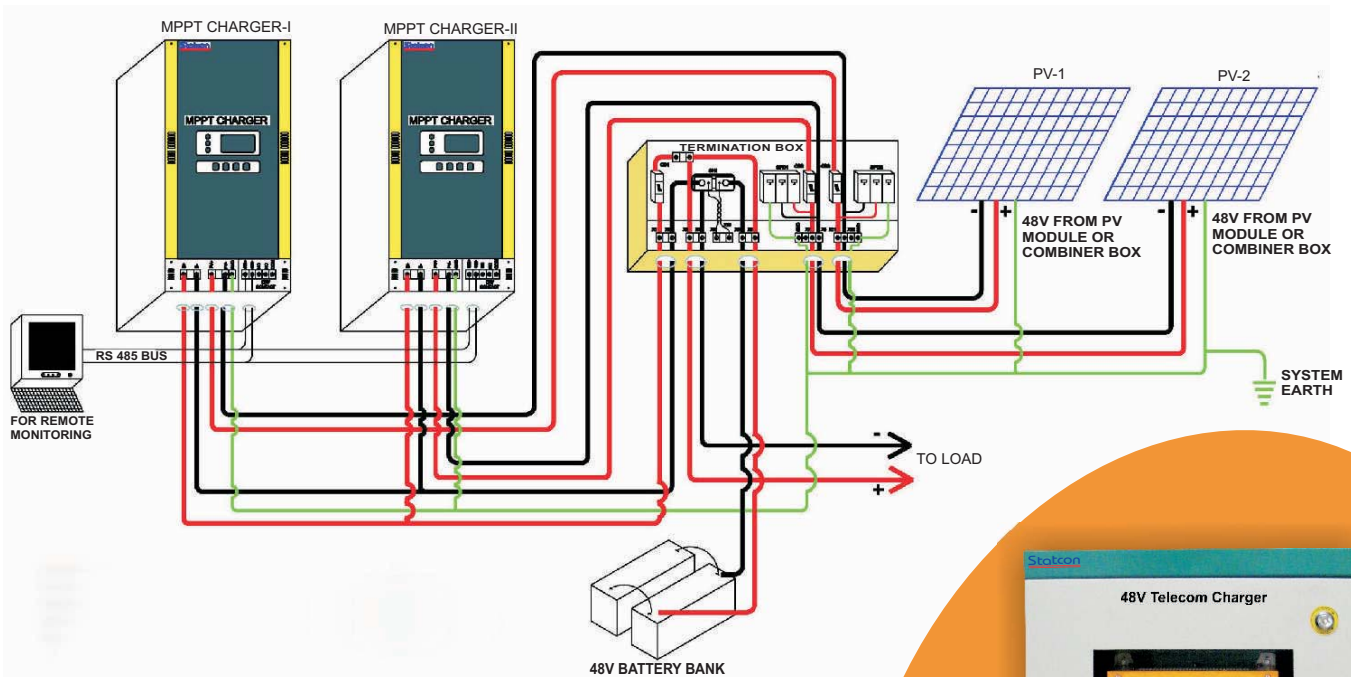


### Technical Data

Model No.	SMPT-48D03	SMPT-48D06	SMPT-48D08	SMPT-48D10
Maximum output current (upto 50°C)	30 Amps	60 Amps	80 Amps	100 Amps
Battery Voltages	24V / 48V	24V / 48V	24V / 48V	24V / 48V
Max. Output DC Voltage	32V / 62V	32V / 62V	32V / 62V	32V / 62V
MPPT Voltage	75 - 150V DC	75 - 150V DC	75 - 150V DC	75 - 150V DC
Active Current Sharing Feature	Yes	Yes	Yes	Yes
Operation MODE	Float / Boost / Extended Boost modes of charging for all Battery types			
Max. efficiency	>96.5%	>96.5%	>96.5%	>96.5%
User Interface	Built-in-4-line, 80- character LCD with backlight			
	Voltage / Current / Power of both Input & Output			
	Inbuilt data logging of generated power of last 30 days			
Operation Temperature	-10°C to +50°C			

# 24V / 48V MPPT CHARGE CONTROLLERS FOR TELECOM

## SYSTEM CONFIGURATION USING DUAL MPPT CHARGER MODULE



The Battery Charger solution as shown above has advantage that it offers a complete solution and can be just fitted under govt's policy at existing BTS / other telecom installations.

The unit has been designed with STATCON's 24yrs of experience in manufacturing Power Electronics equipments for Telecom, Power, Railway, Defence sectors. All components used have been rated keeping in mind Indian environmental conditions including high temperature and dust.

Solutions are also available to parallel any numbers of MPPT charger modules and thus give high Power DC output upto any capacity. High power DC solutions are also possible by stacking any number of the MPPT charger modules.

## STATCON'S PRODUCT RANGE FOR SOLAR APPLICATIONS

- Hybrid solar Inverter
- Off-Grid Solar Inverter
- 110V / 220V MPPT Chargers
- Intelligent String Monitor
- Array Junction Box
- 24V / 48V DC Solar-Mains-DG-Hybrid System
- MW Solar Inverter Solution from Answer Drives, Italy
- 3 Phase Bi-Directional solar Inverter

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