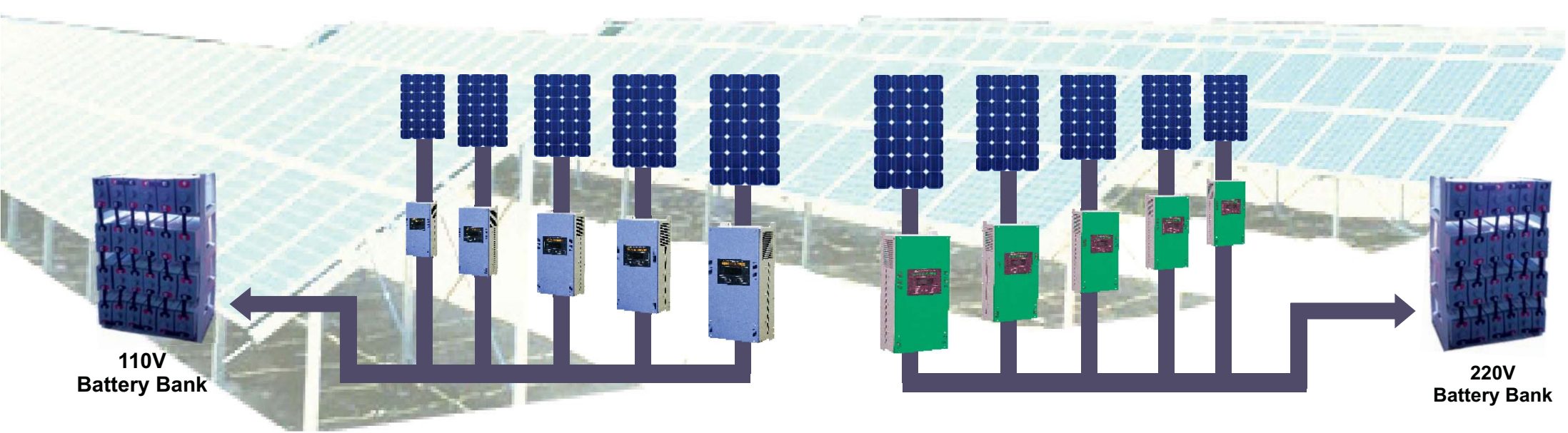


110V / 220V HIGH POWER MPPT CHARGERS



MPPT CHARGING SOLUTION FOR EXISTING TELECOM INSTALLATIONS

STATCON offers state-of-art independent Solar Charge Controller solution for high voltage, high power remote critical 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.
- Optional of current sharing with SMPS charger.
- Temperature compensation for VRLA Battery charging.
- Inbuilt high voltage surge protection
- Remote monitoring via standard RS485 bus.



APPLICATIONS

- Independent Photovoltaic System
- Naval Base / Off shore Platforms
- Islands / Farm houses
- Railway signals
- Oil / Gas pipeline
- Roof Top Hybrid systems

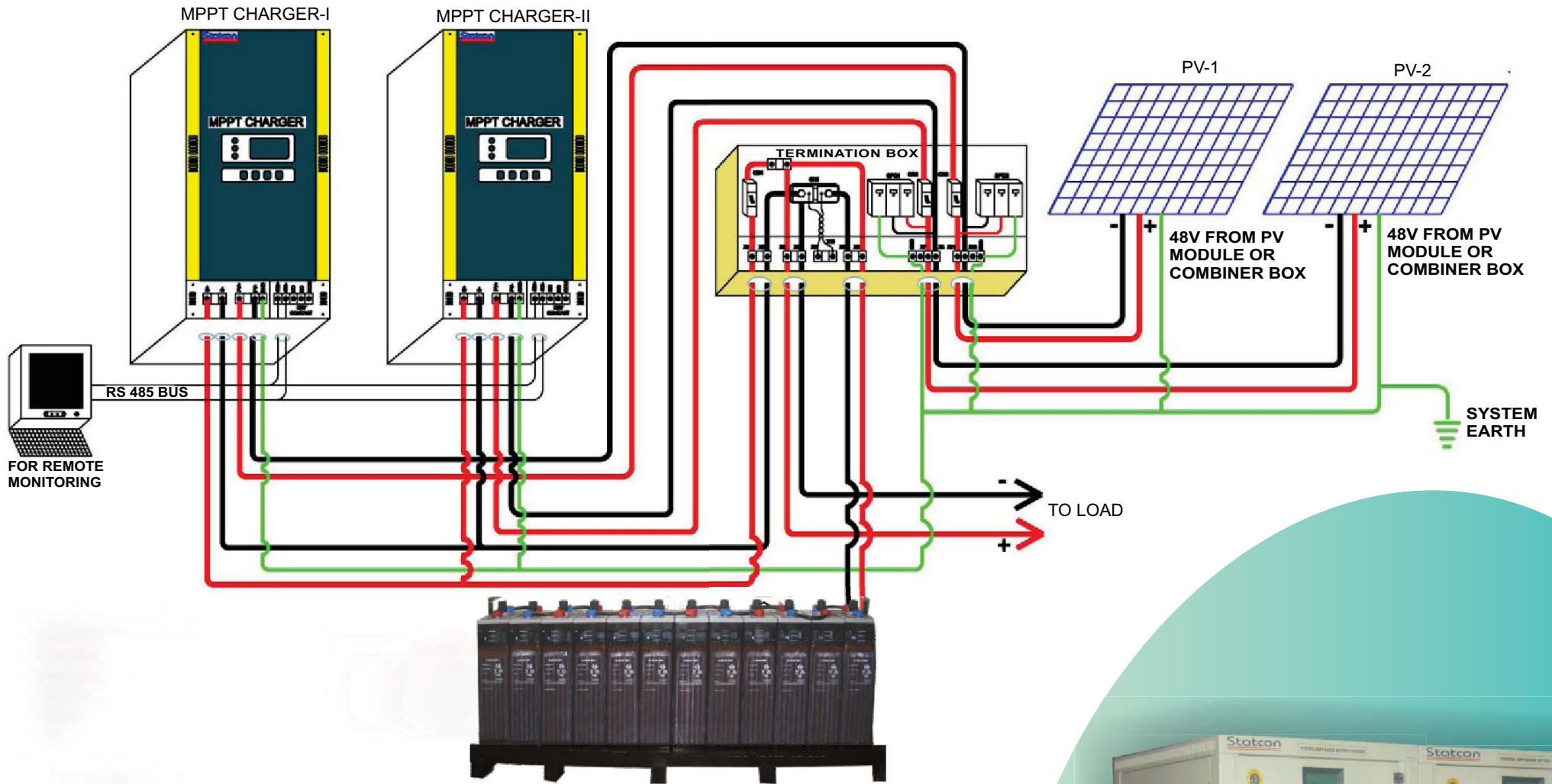
Technical Data

Model No.	SMPT-110DXX	SMPT-220DXX
Maximum output current (upto 50°C)	20A / 40A / 60A	20A / 40A / 60A
Battery Voltages	110V	220V
Max. PV Voltage*	300VDC	560VDC
MPPT Voltage	140Vmp - 250Vmp	260Vmp - 440Vmp
Active Current Sharing Feature	Yes	Yes
Operation MODE	Float / Boost / Extended Boost modes of charging depending upon Battery type	
Max. efficiency	>96.5%	>96.5%
Monitoring	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	0°C to +50°C	

* Higher voltage modules also available on request

110V / 220V HIGH POWER MPPT CHARGERS

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 in existing as well as new installation. It will help in maximum yield from SPV installed.

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 such as high temperature and dust.

High power DC solutions are also possible by stacking any number of these MPPT modules.



STATCON'S PRODUCT RANGE FOR SOLAR APPLICATIONS

- Hybrid Solar Inverter
- Off-Grid Solar Inverter
- 24V / 48V MPPT Charge Controllers
- 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

Statcon Power Controls Ltd.

A-34, Sector-59, Noida, G.B.Nagar - 201301
 Ph.: +91-120-3851760 Fax: +91-120-3851796
 Web Site : www.stat-con.com, E-mail: info@stat-con.com