

New



MPPT solar charge controller

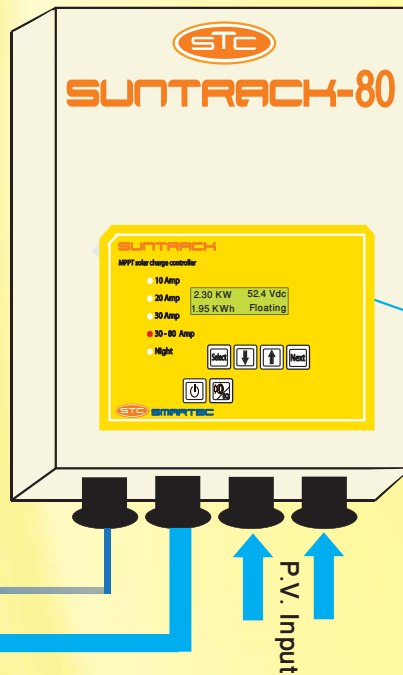
SUNTRACK-80

Maximize the energy generate from solar panels by adding a **Suntrack™** solar charge controller with maximum power point tracker(MPPT) to any solar installation.

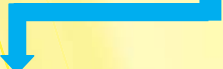
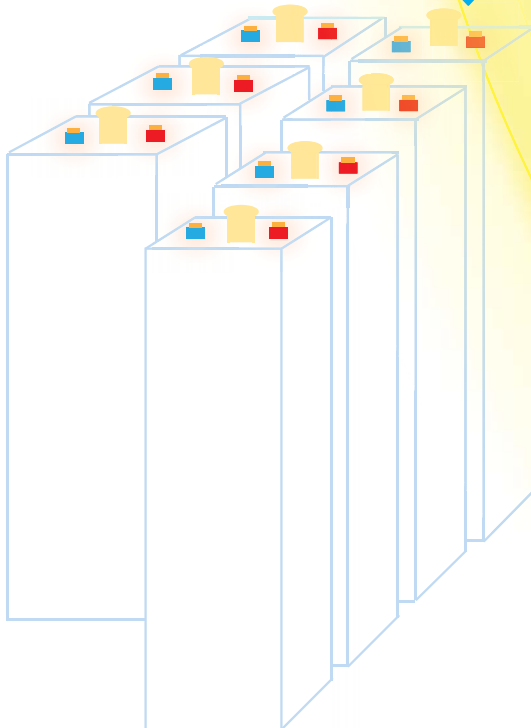
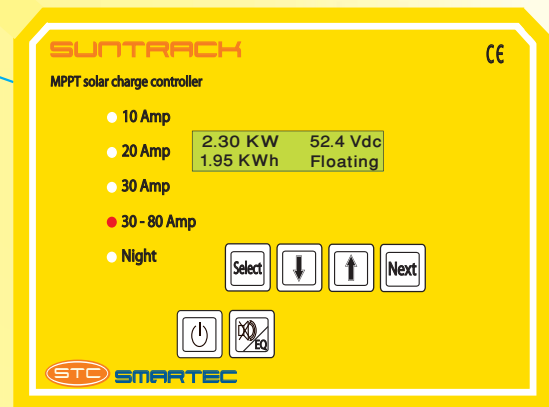
The solar charge controller, **Suntrack™**, contains the MPPT algorithm that continuously tasks the maximum power point and automatically charges the batteries in an optimal way with all the available solar power.



Control input



Up to 80A / Battery voltage: 12-24-48-60V
up to 150V inout PV voltage range



P.V. Input

Product Features:

- * Easy and safe commissioning with full protection against incorrect wiring
- * High conversion efficiency, > 99%
- * Up to 4 **Suntrack™** solar charger in parallel
- * 6 step charger for longer battery life
- * Display with 5 LED showing status and current
- * Low self-consumption : < 1 W in night time mode
- * Comprehensive display, programming and datalogging.
- * Real time Clock

New

MPPT Solar Charger Controller

SunTrack

Specifications of SunTrack:

Nominal Battery Voltages	12, 24, 48 or 60 VDC (Single model- Selectable via field programming at Start-Up)	
Maximum Output Current	80 Amps at 104 °F (40 °C) with adjustable current limit	
Maximum Solar Array STC Nameplate	12 Vdc systems 1250 Watts 48 Vdc systems 5000 Watts 60 Vdc systems 5500 Watts	24 Vdc systems 2500 Watts
NEC Recommended Solar Array STC Nameplate	12 Vdc systems 1000 Watts 48 Vdc systems 4000 Watts 60 Vdc systems 4500 Watts	24 Vdc systems 2000 Watts
PV OpenCircuit Voltage(VOC)	150 Vdc absolute maximum coldest conditions 145 Vdc Start-Up and Operating maximum	
Standby Power Consumption	Less than one Watt typical	
Status Display	2 Lines Display	
Charging Regulation	6 Stages: Bulk, Absorption, Floating, Equalization, Reduced Floating and Periodic absorption	
Voltage Regulation Set Points	10 to 48 Vdc user adjustable with password protection	
Battery Temperature Compensation (available with accessory BTS-01)	- 3 mv / °C / cell (25°C ref) default value adjustable -8 to 0 mv/ °C	
Operating Ambient Temperature Range	-20 to 55 °C	
Power Conversion Efficiency (in a 48V typical-system)	> 99 %	
Maximum Stand-by self consumption (48 V)	25 mA > 1.2 W	
Maximum Stand-by self consumption (24 V)	30 mA > 0.8 W	
Maximum Stand-by self consumption (12 V)	35 mA > 0.5 W	
PV Reverse Polarity	Up to -150 Vdc	
Battery Reverse Polarity	Up to -150 Vdc	
Warranty	3 years	
Over Temperature	Protected	
Mounting Location	Indoor	
Parallel Operation (separated PV arrays)	Up to 4 devices	
CE compliant	EMC 2004/108/CE LV 2006/95/CE ROHS 2002/95/CE	
Data Logging	Last 365 days of operation-Amp hours,Watt Hours,Time in Float,Peak Watts,Amps,Solar array voltage,Max battery voltage,Min battery voltage and absorb for each day along with total accumulated Amp Hours & KW Hours of production	