

**NEW**



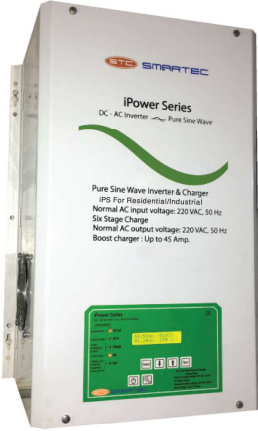
**MPPT solar charge controller**

# SUNTRACK-80

يأخذ طاقة مباشرة من الشمس  
من خلال الألواح الشمسية



Dc to Ac Inverter



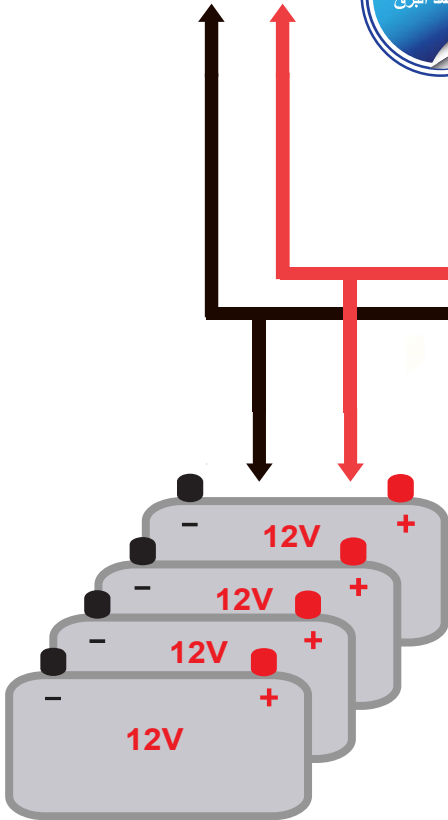
Solar Charge Controller



Input Control

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

Solar Panels



Batteries

## PRODUCT FEATURES :

- \* Easy and safe commissioning with full protection against incorrect wiring
- \* High conversion efficiency > 99%
- \* Up to 4 Suntrack™ solar chargers in parallel
- \* 6 steps 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 data logging.
- \* Real Time Clock

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## MPPT Solar Charge Controller

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#### Specifications of Suntrack™ :

At Nominal Battery Voltage	12 V	24 V	48 V
Maximum Solar Power Recommended (at STC)	1250 W	2500 W	5000 W
Maximum Solar Open Circuit Voltage	80 Vdc	150 Vdc	
Maximum Solar Functional Circuit Voltage	75 Vdc	145 Vdc	
Maximum Output Current	80 Amps at 104°F (40°C) with adjustable current limit		
NEC Recommended Solar Array STC Nameplate	12 Vdc systems 1000 Watts 24 Vdc systems 2000 Watts 48 Vdc systems 4000 Watts		
PV Open Circuit 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 and up to 320 Amps		
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, total accumulated Amp Hours & KW Hours of production		