

# Charging regulator

## SmartSolar MPPT 100/50

Product code: SCC110050210

**50A**  
Rated current

**MPPT**  
Type



### FUNCTIONS

- The SmartSolar charge controller can recharge even a severely depleted battery, as long as the cells are not permanently damaged.
- Built-in Bluetooth allows for remote control and monitoring of the charger via the VictronConnect app, while the Victron Remote Management (VRM) portal provides access to charger functions from anywhere.
- The intelligent load output feature prevents battery damage caused by over-discharge by automatically disconnecting the load at a set voltage.
- The SmartSolar controller ensures daily battery recharge to 100%, even in adverse conditions, by gradually increasing the disconnect voltage, which extends battery life.
- The ability to monitor MPPT even in remote locations without internet access is provided by the GlobalLink 520 device.

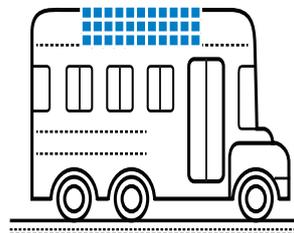
# 4sun<sup>®</sup>

### TECHNICAL DATA

INDEX	SCC110050210
MODEL	SmartSolar MPPT 100/50
Nominal system voltage	12/24 VDC Auto
Battery type	Liq., Gel, Acid, AGM
Maximum PV input power [W]	700/1400
Rated charging current [A]	50
Rated discharge current [A]	50
Maximum PV circuit voltage [V]	100
Maximum continuous load current [A]	50
Power supply connections [mm <sup>2</sup> ]	16
Charging algorithm	adaptive
Self-consumption	30mA(12V);20mA(24V)
Temperature compensation	-16mV/-32mV/°C
Protection	IP43, IP22
Warranty	2 years
Efficiency	98%
Dimensions (L x W x H) [mm]	130x186x70
Weight (g)	1300
Temperature range	-30°C~+60°C

### APPLICATION

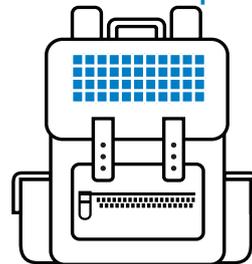
#### Solar Car



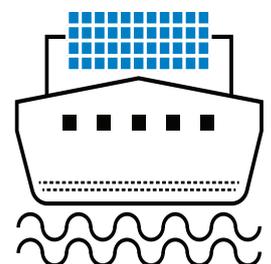
#### Solar Home



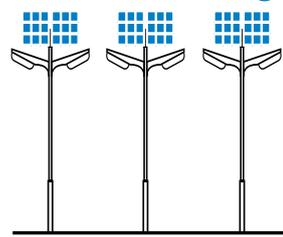
#### Solar Backpack



#### Solar Boat



#### Solar Street Light



#### Solar Power Generator

