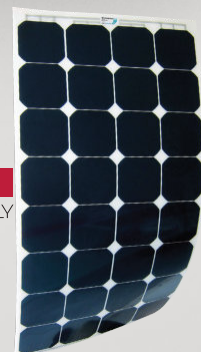
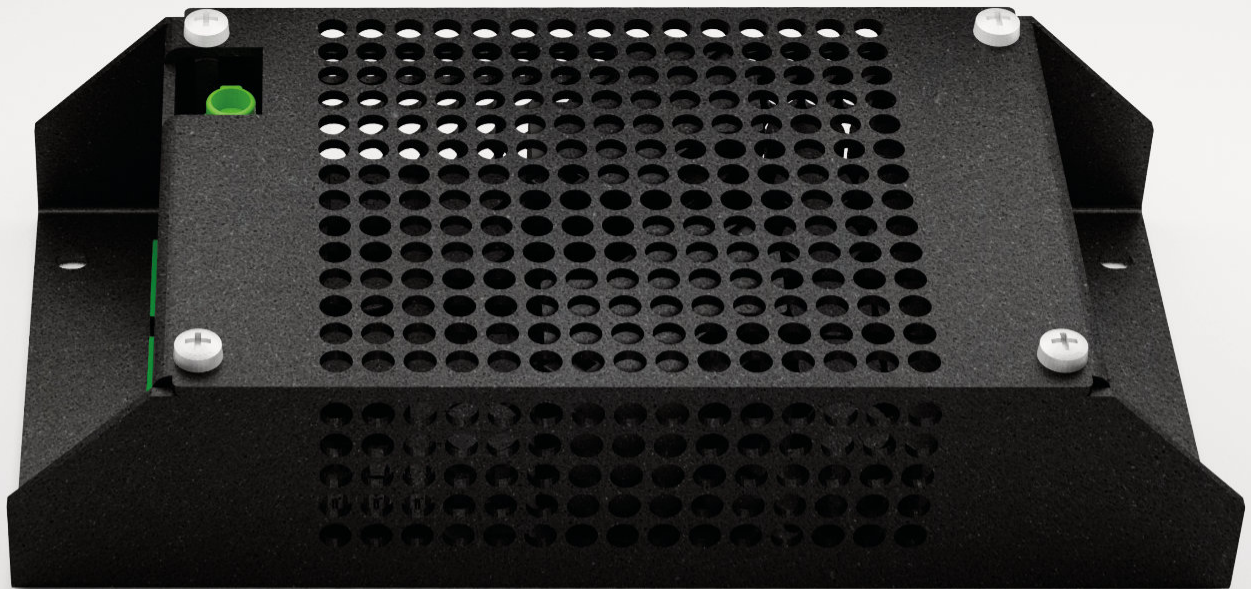
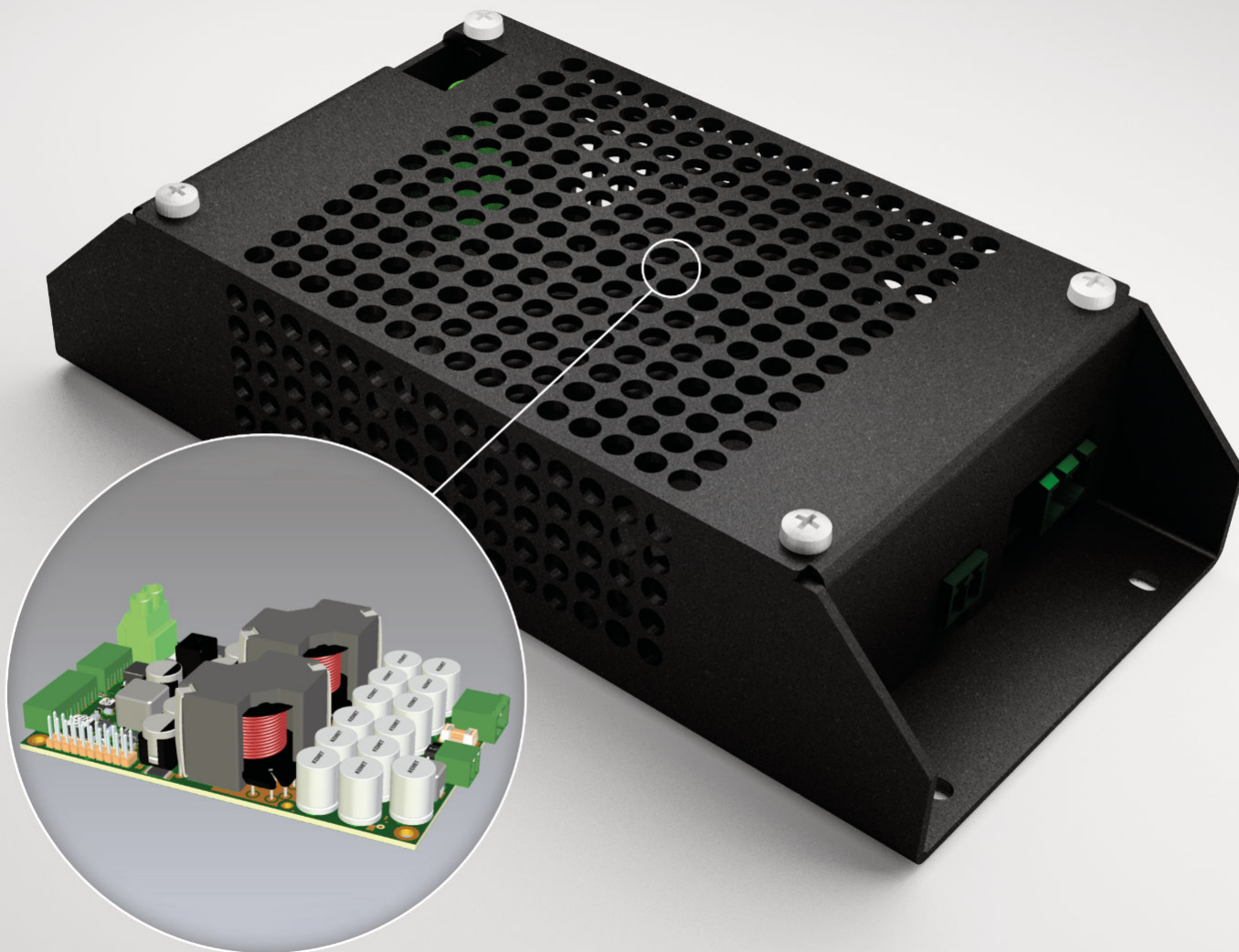


Solar Charge Controller

Solbian presents its new solar charge controller, designed for the transition to hybrid propulsion, both in maritime and land transport.

Developed within automotive projects that Solbian is working on, this regulator reaffirms the concept of distributed MPPT: the redundancy strategy that maximizes the number of independent regulators in photovoltaic systems.





A boost regulator*, with an MPPT algorithm, capable of raising the voltage even of just one module, to the levels required for electric propulsion, ie at nominal voltages ranging from 96 to 144 V, which are the standard for electric and hybrid vehicles batteries.

For a perfect integration in control systems, the solar charge regulator also offers a CAN-bus communication interface.

Input voltage range	20-40V
Battery voltage range	96-144V
Maximum input current	20A
Peak efficiency	> 98%
Operating temperature	-20 to 40°C
Protection	Input undervoltage, overvoltage, transient and reverse polarity; output overvoltage and overcurrent; overtemperature (internal and external sensor)
Weight	350g
Dimensions	150x80x50mm
Topology	double step boost
Interface	CAN-bus

*Developed with the contribution of the EU.



Available from January 2020