

SCM4820-4CW-OF

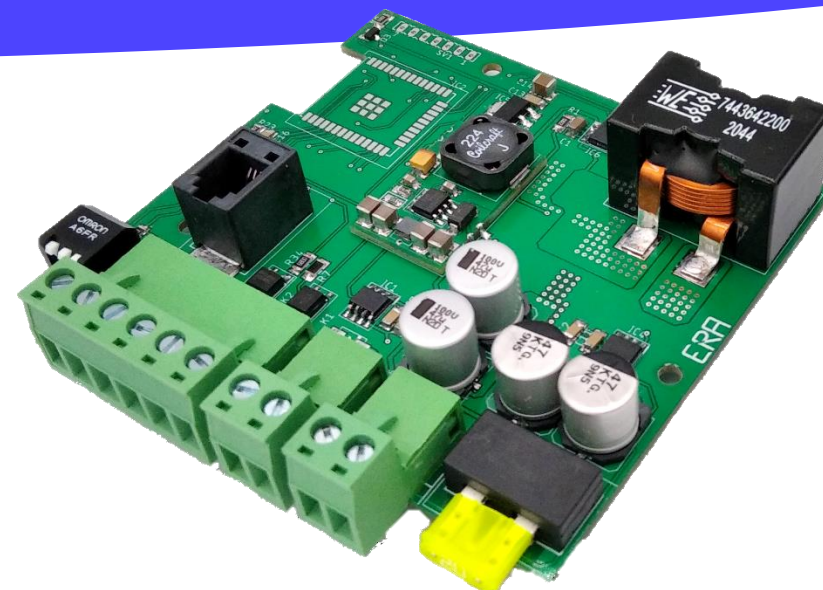
OPEN FRAME MPPT SOLAR CHARGE CONTROLLER

The SCM4820-4CW is an open frame MPPT solar charge regulator that can be used in 12/24/48V battery systems.

It can work with Flooded, AGM and GEL batteries but, thanks to the CAN communication port and to the ON/OFF signal input that is equipped, the SCM4820-4CW is particularly advised for Lithium batteries with CAN communication port or BMS with charge enable output switch.

Up to 32 solar charge regulators can be connected in parallel mode to realize a multi MPPT solar system. A RS485 communication bus connect all the solar charger regulators to the first one which became the master to control and configures all the other charge controllers.

The setup of the Solar charge controllers network and his supervising activity can be done using a web browser connected via WiFi to the first solar charge regulator. The battery status and every single solar charge controller connected to the first solar charge controller will be automatically configured and supervised.



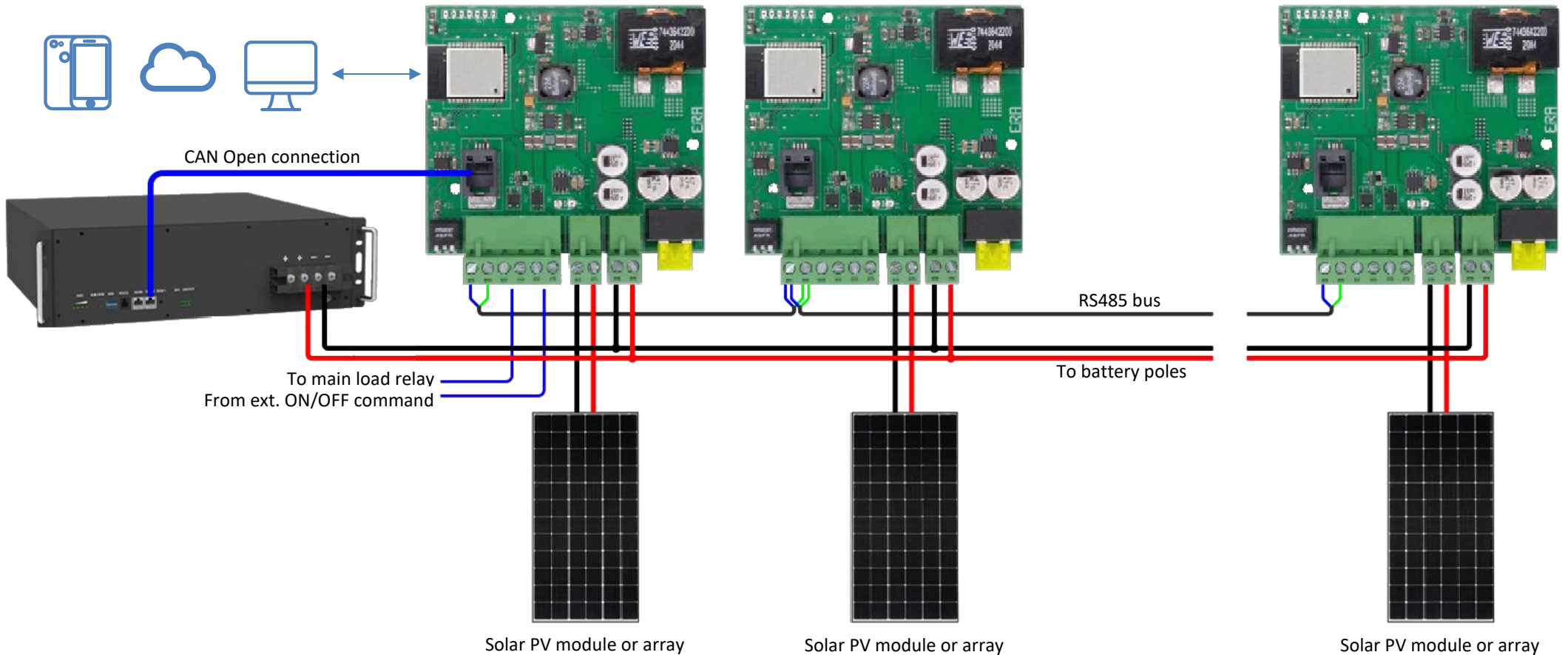
TECHNICAL CHARACTERISTICS

DESCRIPTION	12V Battery	24V Battery	48V Battery
Battery voltage	10 – 17V	20 – 34V	40 – 65V
Voc Max	75V		
Imp Max	18A		
Max PV power	300W	600W	1200W
Working temperature	-30°C - +80°C		
Dimensions (WxDxH) mm	90 x 90 x 24mm		
Weight	210g		

Solar charger – MASTER
Connected to Battery CAN bus and to WiFi network

Solar charger – SLAVE #1
Connected to the master through RS485 bus. WiFi disabled to reduce power consumption.

Solar charger – SLAVE #31
Connected to the master through RS485 bus. WiFi disabled to reduce power consumption.



Connection diagram example