

SR Technology Solar Charging Controller



Unit Type	SR 140 Duo Dig.	SR 220 Duo Dig.	SR 330 Duo Dig.	SR 530 Duo Dig.	SR 300-24 Duo Dig.
Order No.	1610	1615	1620	1625	6615
Battery Voltage	12 V	12 V	12 V	12 V	24 V
Capacity Solar Module (Pmax)	30-140 Wp	40-220 Wp	50-330 Wp	50-530 Wp	50-300 Wp
Current Solar Module max.	9 A	14 A	21 A	33 A	10 A
Voltage Solar Module (Voc) max.	28 V	28 V	28 V	28 V	50 V
Charging Current Bord-/Starter Battery max.	9.0/0.8 A	14.0/0.8 A	21.0/1.5 A	33.0/1.5 A	10.0/0.8 A
Temperature Compensation	●	●	●	●	●
Switching Output AES Refrigerator	—	—	12 V/0.2 A	12 V/0.2 A	—
Connection Solar Computer S, ready to plug in	●	●	●	●	●
Output for EBL Solar Power Display	●	●	●	●	—
Dimensions* (WxDxH)	131x77x40 mm	131x77x40 mm	131x77x40 mm	131x77x40 mm	131x77x40 mm
Weight	150 g	155 g	165 g	170 g	155 g
Charging Programs for Acid/Gel/AGM	3	3	3	3	4
Charging programs for some of the latest LiFePO4 Battery-Systems (with BMS inside)	5	5	5	5	—

MPP Technology Solar Charging Controller



Unit Type	MPP 165 Duo Dig.	MPP 250 Duo Dig	MPP 350 Duo Dig.	MPP 430 Duo Dig.	MPP 480/24 Duo Dig.
Order No.	1710	1715	1720	1725	6137
Battery Voltage	12 V	12 V	12 V	12 V	24 V
Capacity Solar Module (Pmax)	40-165 Wp	40-250 Wp	50-350 Wp	50-430 Wp	50-480 Wp
Current Solar Module max.	10 A	15 A	21 A	26 A	14 A
Voltage Solar Module (Voc) max.	50 V	50 V	50 V	50 V	50 V
Charging Current Bord-/Starter Battery max.	12.0/1.0 A	18.0/1.0 A	25.5/1.0 A	31.5/1.0 A	18.0/1.0 A
Temperature Compensation	●	●	●	●	●
Switching Output AES Refrigerator	—	12 V/0.2 A	12 V/0.2 A	12 V/0.2 A	—
Connection Solar Computer S, ready to plug in	●	●	●	●	●
Output for EBL Solar Power Display	●	●	●	●	—
Dimensions* (WxDxH)	131x77x40 mm	131x77x40 mm	131x77x40 mm	131x77x40 mm	160x100x71 mm
Weight	190 g	210 g	250 g	260 g	670 g
Charging programs for Acid, Gel and AGM	3	3	3	3	3
Charging programs for some of the latest LiFePO4 Battery-Systems (with BMS inside)	5	5	5	5	—

* Dimensions incl. mounting flanges, without connections

Delivery Scope: Manual

Recommended Accessories SR and MPP



Order No. 1250
LCD-Solar-Computer S

Order No. 2001/2088
Temperature Sensor 825/625



Order No. 2007
Cable-Set for connecting
the solar-chargers to an
EBL with Solar-Current-Indicator

General technical details of the Solar Charging Controllers Series SR and MPP

Overcharge Protection	●
Characteristic Line of Charging	IU1oU2
Reverse Current Protection (Night Operation)	●
Integrated On-Board Mains Suppression Filter, unproblematic parallel Operation of Chargers, Dynamos, Generators at the same Battery	●
Protection against Overload, Overheating, Short-Circuit, Reverse Battery	●
Automatic Battery Temperature Compensation, designed separately for Acid, Gel and AGM batteries, Temperature Sensor 825/625, Order No. 2001/2088, required	●
Automatic Compensation of Voltage Loss on the Charging Cables	●
Overvoltage Limitation for Protection of sensitive Consumers	●
Ambient Temperature Range	-20 to +45 °C
Mark of Conformity	CE, E Test (EMV/automotive Regulations)