

Duo Charge Controller

Sum It MPPT

321224, 321225 • 08/2014

The new Sum It Duo Charge Controller has been developed for the charging of two batteries. At the same time, the integrated MPP Tracker provides for a constant adjustment to the proper 12 V battery voltage, even if input voltages are higher which ensures that the total output of your modules can be always used in the most efficient way possible. This charge controller is also appropriate for the use of solar modules not especially developed for Off-Grid purposes. The starter battery is provided with charge current if the living space battery has a higher charge condition than the starter battery. The starter battery is charged with max. 1,5 A.

Features:

- Duo Charge Controller with MPP Tracker
- Suitable for AGM



Technical data	Sum It MPPT 20	Sum It MPPT 26
Battery system [V]		12
Optimum solar voltage range [V]		16,5 – 19
Max. solar input power allowed [W]	200	320
Max. solar input current allowed [A]	11,7	20
Max. solar voltage allowed [V]		28
Efficiency from > 10% [mA]	92 – 98%	90 – 98%
Power input from battery at night	0,15	10
200 W → ambient temperature		-25 to + 50 °C
Device overtemperature	No derating/shutoff	No derating
*Cutoff voltage/ *Multiple step charge control [V]		13,8 – 14,4
Battery type	AGM lead/gel, acid adjustable via DIL switch, lithium-ion battery	AGM, lead/gel, acid
Battery voltage range [V]		9,5 – 16
Max. battery charge current [A]	20	26
Device display	3 LED: red, yellow, green	1 LED: red
Parallel operation	up to 4 devices	up to 8 devices
Mounting type		pendent, connector down
Device protection	back current, short circuit, overtemperature, overcurrent, overvoltage, fine protection, overload, reverse voltage protection	
Dimensions (l x w x h) [mm]	130 x 125 x 45	136 x 120 x 65
Weight [kg]	0,45	0,7
Enclosure	coated aluminium	
Cooling	passive without fan	
Enclosure protection class	IP20	
Article no.	321224	321225

(*depending on battery adjustment)