

# Duo Charge Controller + Remote Display Smart Duet

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The Phaesun **Duo Charge Controller Smart Duet** has especially been developed for the charging of two batteries. It is therefore ideal for applications in caravans to charge the living space and the starter battery independently of one another by means of the solar module.

**Features:**

- USB port 2000 mA
- Extensive protection functions
- Clearly arranged display of the effective status of the two batteries
- Graphical remote LCD display Smart Duet RD can be connected

With the **Remote Display Smart Duet RD** all functions of the Smart Duet Duo Charge Controller can be displayed and programmed independent of where the charge controller is installed. The appealing yet plain design of the display fits very well in every living space and displays both the topical data and the data of the past, numerically as well as in graphics. You can e.g. charge a Smart Phone directly via the USB port of the display.

**Features:**

- Graphical remote display with background lighting
- Parameter adjustment
- Integrated data logger and energy meter
- USB port 500 mA



Duo Solar Charge Controller Smart Duet



Remote Display Smart Duet RD

The **Smart Duet Charge Controller** is both separately available and in a set including the practical **Remote Display Smart Duet RD**.

Technical data	Smart Duet 20
System voltage [V]	12 (24)
System voltage [mA]	22
Open circuit voltage of solar module [V]	< 60
Module current [A]	20
Load current [A]	20
Reconnection setpoint (LVR)* [V]	12,5
Deep discharge protection (LVD)* [V]	11,7
USB charging socket	5 V / 2 A
Cutoff voltage* [V]	14,1 (28,2)
Boost charge voltage* [V]	14,4 (28,8)
Accumulator type* [V]	liquid
Charging ratio (Main/ additional battery)	90% / 10%
Ambient temperature	-10 °C ... +60 °C
Terminal size (fine/ single wire)	6 mm <sup>2</sup> / 10 mm <sup>2</sup> – AWG 10 / 8
Enclosure protection class	IP31
Dimensions (l x w x h) [mm]	190 x 120 x 57
Weight [g]	500
Article no.	321226

Technical data	Remote Display Smart Duet RD
System voltage [V]	10 ... 60
Own consumption [mA]	30
Adjustable parameters	– cutoff voltages (float/boost/equal) – division of charging capacity between main and additional battery – battery type – load output LVD/LVR
Alarm output	Programmed for all values registered
Ambient temperature	-10 °C ... +60 °C
Relative humidity	0% ... 95%, non-condensing
Interfaces	1x RJ45, StecaLink Bus
USB charging socket	5 V / 500 mA
Enclosure protection class	IP21
Mounting	Surface-mounted/concealed
Dimensions (l x w x h) [mm]	90 x 180 x 30
Weight [g]	approx. 400
Article no.	391005

Set (Smart Duet 20 + Remote Display)	
Article no.	321228

\* adjustable via Remote Display Smart Duet