

Description	Weight Dimensions	C. Nr.
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DS - Mini serie, high performance charge controller with integrated deep discharge and over voltage protection, LED-state of charge display, temperature compensated overcharge protection by integrated sensor and battery charge according to DS-characteristic line.

*DS Hem R-205 12 Volt, 5A modul current, 5A consumption current	110 g	DSR1
*DS Hem R-210 12 Volt, 10A modul current, 10A consumption current	111 g	DSR2
*DS Hem R-210 12 Volt, 10A modul current, 10A consumption current - LCD display		DSR3
*DS Hem-215 12 Volt, 15A modul current, 15A consumption current	113 g	DSR4
*DS Hem-215 12 Volt, 15A modul current, 15A consumption current - LCD display		DSR5
*DS Hem-225 12 Volt, 25A modul current, 25A consumption current	115 g	DSR6



Charges controller with serie dioder

*DS Hem RD-110 12 Volt, 30A modul current, 30A consumption current - LCD display		DSR7
*DS Hem RD-100 12 Volt, 30A modul current, 30A consumption current	190 g	DSR8

Solsum Charges controller

High performance microcontrolled "low cost" charge controller with integrated deep discharge and over voltage protection, LED-state of charge display, temperature compensated overcharge protection by integrated sensor and battery charge according to IU-characteristic line.

Solsum 6.6X (6A modul current / 6A consumption current 12/24V)	110 g	R5
Solsum 8.8X (8A modul current / 8A consumption current 12/24V)	112 g	R6
	85x98x34 mm	



R5



R6

High performance microcontrolled "low cost" charge controlleras Solsum 6.6X and 8.8X with integrated total discharge warning (no deep discharge protection).

Solsum 5.0X (5A modul current 12/24V)	108 g	R7
Solsum 8.0X (8A modul current 12/24V)	110 g	R8
without illustration, comperable with 101.200 and 101.201		
	85x98x34 mm	

Steca Charges controller

High performance microcontrolled charge controller, apart from the base functions deep discharge and overvoltage protection this charge controller range offers a multitude of comfortable additional functions as e.g. LC-display, temperature compensation, exact state of charge (SOC) display, compensation of voltage drop between battery and charge controller, hard and software fuse, automatic voltage adjustment (12/24V), etc.

Charges controller with LED

Steca Alpha (8A modul current / 8A consumption current / 12/24V)	375 g	R9
Steca Gamma (10A modul current / 10A consumption current / 12/24V)	375 g	R10
Steca Sigma (20A modul current / 20A consumption current / 12/24V)	375 g	R11
Steca Omega (30A modul current / 30A consumption current / 12/24V)	375 g	R12
	188x106x49 mm	



R12

Charges controller with Display

PR1010 (10A modul current / 10A consumption current / 12/24V / LCD)	453 g	R13
PR1515 (15A modul current / 15A consumption current / 12/24V / LCD)	453 g	R14
PR2020 (20A modul current / 20A consumption current / 12/24V / LCD)	453 g	R15
PR3030 (30A modul current / 30A consumption current / 12/24V / LCD)	453 g	R16
	188x106x49 mm	



R13

R16

Description	Weight Dimensions	C. Nr.
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Charges controller with IP 65 protection

High performance microcontrolled charge controller, apart from the base functions deep discharge and overvoltage protection this charge controller range offers a multitude of comfortable additional functions as e.g. LC-display, temperature compensation, exact state of charge (SOC) display, compensation of voltage drop between battery and charge controller, hard and software fuse, automatic voltage adjustment (12/24V), etc. protection Type IP 65 (splash water protection) for outdoor assembly.

Charges controller with LED

Steca ST 10B10 (10A modul current / 10A consumption current / 12/24V)	395 g	R17
Steca ST 20B20 (20A modul current / 20A consumption current / 12/24V)	620 g	R18



R17
R18

Solar charge controllers with LED and LCD

Steca ST 10L10 (10A modul current / 10A consumption current / 12/24V)	405 g	R19
Steca ST 20L20 (20A modul current / 20A consumption current / 12/24V)	630 g	R20



R19
R20

Charges controller with timer and IP 65 protection

High performance solar charge controller range, with base functions as deep discharge and overvoltage protection, LED, temperature compensation, etc. with additionally integrated timer for time controlled switching of loads (e.g. lamps), IP 65 protection (splash water protection) for the outdoor assembly.

SLR 308 (8A modul current / 8A consumption current / 12/24V)		R21
SLR 312 (12A modul current / 12A consumption current / 12/24V)		R22
SLR 316 (16A modul current / 16A consumption current / 12/24V)		R23
SLR 320 (20A modul current / 20A consumption current / 12/24V)		R24



R21
R24

Charges controller with night light function

Solar charge controller with time controlled night light function contains all basic functions of a comfortable charge controller as deep discharge and over load protection, LED, etc. and additionally integrated programmable timer function for the time controlled switching of loads (e.g. lamps).

Steca SLX 0606N (6A modul current / 6A consumption current / 12/24V)	120 g	R25
Steca SLX 1010N (10A modul current / 10A consumption current / 12/24V)	120 g	R26
	146x94x28 mm	



R25
R26

Tarom Charges controller with extensive equipment

Top quality voltage controlled solar charge controller with extensive equipment and high performance. Apart from the basic functions of an ordinary charge controller (deep discharge and over load protection) this product offers a range of possibilities referring to programmability, data processing, system configuration, unit-by-unit expansibility and capacity. In addition to a lot of features a single lined LC-display, four available switching outputs, programmable operating points, exact state of charge display (SOC) can be

Tarom 220 (20A modul current / 20A consumption current / 12/24V)	465 g	R27
Tarom 420 (20A modul current / 20A consumption current / 48V)	465 g	R28
	188x128x49 mm	



R27
R28

Steca PA DATALOGGER Data logger for Tarom controller incl. PC software and connection cable		R55
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Tarom Charges controller

The presently leading charge controller product range referring to equipment and performance. Apart from the basic functions of an ordinary solar charge controller (deep discharge and over load protection) this product range offers countless possibilities related to programmability, data processing, system configuration, unit-by-unit expansibility and performance. In addition to a lot of characteristics, a two lined LC-display, integrated data logger, PC connection, programmable operating points, exact state of charge (SOC) display, Ah counter and a lot more can be mentioned.



Tarom 235	(35A modul current / 35A consumption current / 12/24V)	534 g	R29
Tarom 245	(45A modul current / 45A consumption current / 12/24V)	534 g	R30
Tarom 230	(30A modul current / 30A consumption current / 48V)	534 g	R31

188x128x49 mm

 R29
R31

Shunt PA 200 (current sensor for Tarom)

R54

Power Tarom Charges controller

The presently leading charge controller product range referring to equipment and performance. Apart from the basic functions of an ordinary solar charge controller (deep discharge and over load protection) this product range offers countless possibilities related to programmability, data processing, system configuration, unit-by-unit expansibility and performance. In addition to a lot of characteristics, a two lined LC-display, integrated data logger, PC connection, programmable operating points, exact state of charge (SOC) display, Ah counter and a lot more can be mentioned. All technical data and features as with the above mentioned Tarom product group, but for considerably higher capacities IP 65 protection (splash water protection) for the outdoor assembly.

Power Tarom 2070	(70A modul current / 70A consumption current / 12/24V)		R32
Power Tarom 2140	(140A modul current / 140A consumption current / 12/24V)		R33
Power Tarom 4055	(55A modul current / 48A consumption current / 48V)		R34
Power Tarom 4110	(110A modul current / 92A consumption current / 48V)		R35


 R32
R35

48V Charges controller

Solar charge controller with all basic features as deep discharge and over load protection, reverse battery protection, temperature compensation, integrated fuse, etc. Especially developed for 48 V Systems, IP 65 protection (splash water protection) for the outdoor assembly.

SLR 4005	(5A modul current / 5A consumption current / 48V)		R36
SLR 4010	(10A modul current / 10A consumption current / 48V)		R37


 101.229
101.230

48V Charges controller

Solar charge controller with all basic features as deep discharge and over load protection, reverse battery protection, temperature compensation, integrated fuse, etc. Especially developed for 48 V Systems, IP 65 protection (splash water protection) for the outdoor assembly.

SLR 130	(30A modul current / 5A consumption current / 48V)		R38
SLR 145	(45A modul current / 5A consumption current / 48V)		R39
SLR 130	(30A modul current / 30A consumption current / 48V)		R40
SLR 145	(45A modul current / 30A consumption current / 48V)		R41


 R38
R41

Village solar charging station

The PL 2085 is a charge controller that charges up to 8 lead-acid batteries at the same time. It is particularly useful in off-grid solar applications, and leisure activity applications. The controller recognizes automatically the connection sequence of the batteries installed and provides priority charging in the same sequence. As soon as a battery is charged and the charging current reduced to a maintenance charge, the next battery is charged. A integrated MPP-tracker allows an optimal use of the energy available. Every input and outlet of the charge controller is protected against confusing the poles, no-load operation and short circuit. Additionally the battery output is furnished with an overload protection. A LCD indication provides the needed information.



PL 2085

PL 2085 (8 channels/5A per terminal/24V moduls/IP54/2Kg)

2 kg
365x227x75 mm

R42

Temperatur sensorer

External temperature sensors including 3 m cable, cable coil, 8 or 10 mm removable cable clamp for solar charge controllers of the following types:

R31
R16
R17
R20



TS 8 (8mm cable)
TS 10 (10mm cable)

R43
R44

R43
R44

External temperature sensors including cable coil, 8 or 10 mm cable clamp for solar charge controllers of the following types:

R21
R24
R36
R41



KTY 881-8 (8 mm cable)
KTY 881-10 (10 mm cable)

R45
R46

R45
R46

External temperature sensors including 3,75 m cable, cable coil, 8 or 10 mm removable cable clamp for solar charge controllers and special plug of the following types:

R29
R32



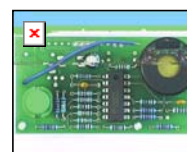
R47
R48

R47
R48

Additional boards

Summerboard with integrated summer and disconnection switch which releases alarm at a remaining state of charge of 40 %. For solar charge controllers of the following types:

R9
R12

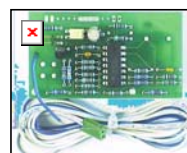


R49

R49

Alarmboard with potential free outlet which releases a switching outlet at a remaining state of charge of 40 % by means of an integrated optocoupler. 3m connection cable included. For solar charge controllers of the following types:

R9
R12



Alarmboard

R50

R50

Additional cable

Additional double flex, blue and white, for the connection of diverse components to solar charge controllers of the following types:

R9
R12
R13
R16



Additional double flex

R51

Tarom accessories

The PA 15 unit is able to receive the SOC (state of charge) signal from the charge controller (Tarom product range) and depending on the configuration it cuts off loads or put on additional generators. A charging management is the second feature of the PA 15 receiver. The programming of the PA 15 is made by a jumper connection terminal.



PA 15

R52

R52

Alarmboard

