

Technical data

S10 MINI



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S10 MINI Production

input	S10 MINI home power station ¹⁾
max. recommended DC power (W)	7,500
min. MPP voltage (V)	120
min. MPP voltage for AC nominal power (V)	250
max. MPP voltage (V)	450
max. DC input voltage (V)	550
max. DC current per MPP tracker (A)	12
independent MPP tracker	2
component connection point gateway	4x MC4 plug
AC storage – max. power input (W)	1,500

output	S10 MINI home power station ¹⁾
max. AC nominal power (230V, 50Hz)	4,600 VA/3,600 VA ²⁾ (depending on the PV size)
AC nominal voltage L/N/PE (V)	3x 230
AC nominal frequency (Hz)	50
max. output current (per phase) (A)	20/16 ²⁾
feed in phases/connecting phases	1/3
technology	transformerless
cos (phi)	- 0.9 ... + 0.9

general information	S10 MINI home power station ¹⁾
max. round trip efficiency incl. battery (%)	> 88
solar inverter EU efficiency (%)	> 95
AC short circuit safety/ground controlling	yes/yes
certifications	according to DIN 0126-1-1 or VDE-AR-N 4105, ÖVE/ÖNORM E 8001-4-712:2016 11 01/TOR D4 2016-07, CE, UN38.3
temperature operating range (°C)	+5 to +35
protection class/cooling	IP20
data interfaces	RS232/USB/Ethernet/CAN
size WxHxD (mm)	935x1005x280
size WxHxD incl. stand (mm)	935x1800x355
display	7" TFT display
energy management	integrated

operating modes	S10 MINI home power station ¹⁾
DC mode	yes
AC energy storage	yes
emergency power supply (solar rechargeable)	yes (1ph)/yes
hybrid (DC+AC)	yes

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S10 MINI Storage

battery system	S10 MINI home power station ¹⁾	
	3.25	6.5
constant battery inverter power (kW) ³⁾	1.5/1.5	
battery technology	lithium-ion	
total battery weight (kg)	up to 30	up to 60
efficiency (%)	up to 98	
temperature management by E3/DC	yes	
battery capacity (kWh)	3.25	6.5
depth of discharge (%)	90	90
battery ageing	10 years on 80 % of the battery capacity ⁴⁾	

system	S10 MINI home power station ¹⁾	
	3.25	6.5
ext. interface	ModBUS(TCP), KNX, CAN-I/O, xComfort	
type of emergency power ³⁾	1ph	
max. off-grid battery power (kW) / (solar rechargeable)	1.5	
off-grid solar power (kW) (only limited usability for consumers)	max. 4.6	
SG Ready	optional	
smart home automation	KNX, myGEKKO, Loxone, xComfort	
system weight without batteries (kg)	94	
incl. bracket/incl. stand (kg)	106/114	

Performance and availability of the solar emergency power function can be derated or may be off due to software updates, grid inverter and external conditions (e.g. house load, generation, hardware defect, temperature, battery calibration). A weekly battery calibration discharges the battery according to battery management system requirements. You will find further important information about backup/emergency power operation in the "Emergency power in the S10 home power station" information sheet at <https://www.e3dc.com/en/infocenter/#Downloads>

¹⁾ identically constructed according to VDE-ARN-4105 to type S10 MINI

²⁾ country settings for Portugal/Denmark/Austria/Switzerland

³⁾ actual battery performance depends on battery configuration, charge status and temperature

⁴⁾ within the warranty time adhered to warranty conditions

⁵⁾ from date of installation

The battery lifetime depends on the installation and operating mode conditions.

Terms and conditions of E3/DC GmbH apply. DSL connection for remote maintenance and energy management required.



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