

Technical data

Production

S10 MINI

All In One
with S10 M4 AI inverter

S10 E12

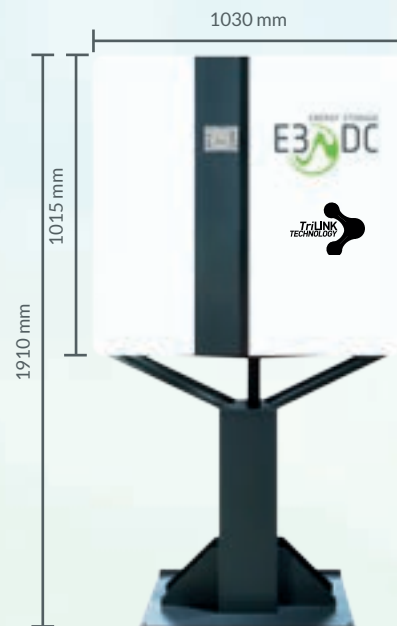
All In One
with S10 E12 AI inverter

Input	Maximum recommended DC-power (in W)	7500	15000
	Min. MPP voltage (in V)	120	250
	Min. MPP voltage AC for nom. power (in V)	250	500
	Max. MPP voltage (in V)	450	850
	Max. DC-input voltage (in V)	550	1000
	Max. DC-current per tracker (in A)	10,5	18
	Independent MPP-tracker's	2	2
	AC-Charging – max. input power (in W)	1500	3000

Output	AC-nominal power (230 V, 50 Hz)	4600 VA / 3680 VA*	12000 W*
	AC-voltage L/N/PE 230V (in V)	184 - 264	184 - 264
	AC-frequency (in Hz)	50	50
	Max. AC-current (per phase) (in A)	20 / 16*	20*
	No. of feed-in phases / AC phases	1 / 3	3 / 3
	Cos (phi)	-0,9...+0,9	-0,9...+0,9

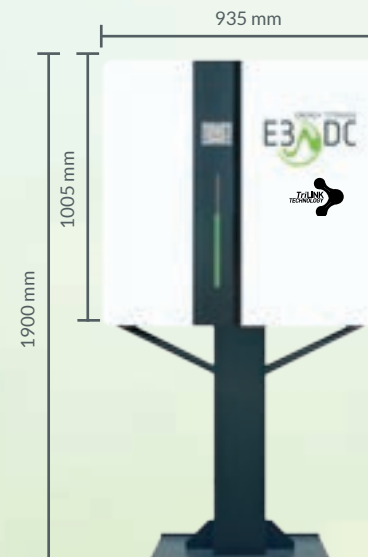
General technical data	Round-trip efficiency incl. battery (in %)	> 88	> 88
	Efficiency EU (in %)	> 95	> 95
	AC short detec. / ground fault monitoring	yes / yes	yes / yes
	Certification	VDE 0126 / VDE-ARN-4105	VDE 0126 / VDE-ARN-4105
	Temperature range (in °C)	+5 to +35	+5 to +35
	Max. Noise (in dB)	< 35	< 35
	Protection class / Cooling	IP21	IP21 / fan; based on perform
	Data interface	RS232/USB/Ethernet/CAN	RS232/USB/Ethernet/CAN
	Display	5,7" TFT / LED display (51 cm)	5,7" TFT
Energy management	integrated	integrated	

Oper. modes	DC mode	yes	yes
	AC-charging mode	yes	yes
	Off-grid mode	yes	yes
	Hybrid (DC+AC)	yes	yes



S10 E - ALL IN ONE

Weight: 117 kg
incl. bracket: 130 kg
incl. stand: 155 kg



S10 MINI - ALL IN ONE

Weight: 94 kg
incl. bracket: 106 kg
incl. stand: 114 kg

Technical data

Storage



S10 MINI
All In One
with S10 M4 AI inverter

S10 E12
All In One
with S10 E12 AI inverter

	S10 MINI	S10 E12	
Battery system	Battery inverter nominal power (in W)	1500	3000
	Battery type	DCB-Z	DCB-Z
	Battery technology	Panasonic Lithium-Ion	Panasonic Lithium-Ion
	Weight (per battery module in kg)	21	21
	Efficiency	to 98 %	to 98 %
	Temperature derating control (E3/DC)	yes	yes
	Min. / Max. battery capacity net (in kWh)	2,3 / 9,2	4,6 / 13,8
		up to 92 % + 8 % (reserves)	up to 92 % + 8 % (reserves)
	Max. battery power (in W)	750 per module	750 per module
	Full cycles (FC)	unlimited**	unlimited**
System	Wallbox- / Farming connection	yes / yes	yes / yes
	Electrical supply (off-grid)	1ph outlets	3ph inhouse grid***
	Max. off-grid power sun / battery (in kW)	4,6 / 1,5 (solar recharging)	12 / 3 (solar recharging)



Battery module DCB-Z

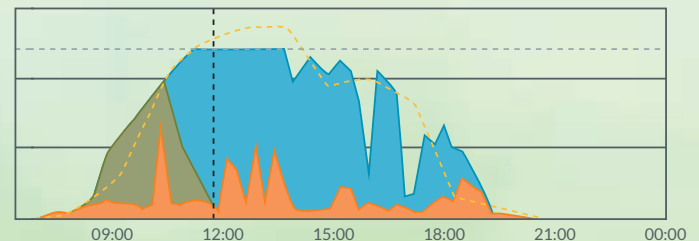
- * Country settings for Portugal/Denmark/Poland
- ** Within the time and terms of warranty
- *** Emergency power supply for TT-grids as option

All services are subject to the general terms and conditions of E3/DC GmbH

Internet connection for remote maintenance and monitoring is required



E3/DC portal -
mobile



E3/DC data portal and remote maintenance