



E-STREAM

Technical Information

Energy Storage Module

ESM-7.3/6.2/58.1-V1.0





E - S T R E A M

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Technical Data

Model	ESM-7.3/6.2/58.1-V1.0
Technology	Lithium-Ion
High-voltage capability	1000 VDC
Energy	7.3 kWh
Capacity	142.1 Ah
Nominal voltage	58.1 V
Cut off voltage	42 V
Charge voltage	58.1 V
Charge / discharge power	3.1 kW
Charge / discharge current	60.3 A
Charge / discharge max.	6.2 kW
Charge / discharge current max.	120.6 A
Operating temperature	0 °C – 50 °C
Max. installation height above MSL	2000 m
Storage temperature	-20 °C – 55 °C (≤ 30 days) -20 °C – 45 °C (> 30 ≤ 90 days) -20 °C – 25 °C (> 90 ≤ 365 days)
Humidity	0 – 85 % (non-condensing)
Recycling	Free return of batteries in Germany
Lifetime	Refurbishment of batteries after EoL
Communication	Isolated
Power connector	Pluggable connector
Measurements	499 x 100 x 711 mm ³
Weight	68 kg
Certification pending	UN38.3