Technical Datasheet

Batteryshelter

Article code: BS051125-1
HS Code: 7308.90.98
GTIN: 8718819224242

Article code: BS051125-1-8004
HS Code: 7308.90.98
GTIN: 8718819224259

Article code: BS051125-1-9016
HS Code: 7308.90.98
GTIN: 8718819224266

Article code: BS051125-1-7016
HS Code: 7308.90.98
GTIN: 8718819224273

Product Description

The Batteryshelter is an (outdoor) enclosure for residential battery systems, manufactured from Magnelis® steel to provide exceptional corrosion resistance. The shelter can be powder coated in the colour of the façade (built up in accordance with ISO 12944), allowing it to visually blend in with the property. The enclosure is supplied with mounting materials and equipotential bonding and includes features for theft protection and restricted access. Perforated front and side panels enable controlled airflow and smoke ventilation away from both the façade and the roof, allowing heat to escape horizontally in the event of an incident—preventing it from rising toward eaves or timber structures. By mounting the unit 30 cm above ground level on an external wall, the risk of indoor damage during an incident is significantly reduced, and the shelter is safeguarded against issues related to water or ground movement.

CONDUCT TECHNICAL SOLUTIONS

Technical Datasheet - **Batteryshelter**

General Product Information

Item	Content
Manufacturer	Conduct Technical Solutions
Producttype	Batteryshelter
Model	Wall Mount
Article Number(s)	BS051125-1 | BS051125-1-8004 | BS051125-1-9016 | BS051125-1-7016
One-liner	The Batteryshelter is an ESS enclosure made of Magnelis® steel, IP33/IK10 rated and wind-certified up to hurricane strength. Equipped with equipotential bar and powder coating according to ISO 12944 (C3).

Technical Specifications

Property	Specification
Product width	950 mm
Product height (A)	1530 mm
Product height (B)	1440 mm
Product depth	400 mm
Mounting	Wall-mounted, minimum 300 mm above ground level (A1 surface)
Weight	53,5 kg
Load capacity	Maximum load up to 320 kg
Material	Magnelis® (S250GD + ZM310)
Material thickness	1.5 mm (2.0 mm back plate)
Finish	Powder coating according to ISO 12944 – C3 standard
Ventilation	Perforated front and side panels
IP/IK rating	IP44 – Suitable for outdoor installation, rain-resistant.

	IK10 – Protected against vandalism and impact.
Temperature incident range	1400–1500 °C (tested under thermal runaway simulation)
Earthing	DEHN K12 Equipotential bonding
Location	Outdoors against an A1-classified wall (brick or concrete), or in a well-ventilated garage with limited fire load and no open connection to living areas.

Standards and Safety

Standard / Directive	**Description**
EN IEC 62485-5 / VDE-AR-E 2510-2	Safety framework and application guideline for stationary energy storage systems up to 1500 V DC – electrical safety, ventilation, gas exhaust, and fire/explosion management.
EN IEC 60529 (IP33)	IP33 classification – protection against ingress of solid objects and water.
EN IEC 62262 (IK10)	IK10 classification – maximum impact resistance of the enclosure.
EN ISO 12944-5	C3 classification – corrosion protection suitable for outdoor use in moderately aggressive environments.
Peutz	Tested for wind load up to hurricane strength according to Peutz certification.
ETA-07/0121	Simple wall installation with stainless steel Fischer construction anchors – ETA-certified fixing system.
IEC 60364-4-41 / 60364-5-54 / EN 62305-3	DEHN K12 equipotential bar – safe earthing and potential equalisation according to international standards (CE, DEHN, and VDE certified).

Compatibility with ESS Systems

Brand	**Model**	**Storage Capacity** (kW)	**Width** (mm)	**Depth** (mm)	**Height** (mm)
LG Energy Solution	RESU16H Prime	16	504	295	1 086
LG Energy Solution	RESU10H Prime	9,6	504	295	817
LG Energy Solution	RESU3.3	2,9	452	120	401
LG Energy Solution	RESU6.5	5,9	452	120	66
LG Energy Solution	RESU10	8,8	452	227	484
LG Energy Solution	RESU12	11,7	452	227	626
LG Energy Solution	Home 8	12	698	205	1260
LG Energy Solution	Home 10	13.5			
Enphase	IQ Battery 3T	3,5	430	188	775
Enphase	IQ Battery 5P	5	550	188	980
Enphase	IQ Battery 10T	10	775	188	1283
BYD	Battery-Box Premium HVS 5.1	5,1	585	298	762
BYD	Battery-Box Premium HVM 8.3	8,3	585	298	945
BYD	Battery-Box Premium HVS 10.2	10,2	585	298	1178
BYD	Battery-Box Premium HVS 12.8	12,8	585	298	1 461
Huawei	LUNA2000-7-S1	6,9	590	255	510
Huawei	LUNA2000-14-S1	13,8	590	255	870
Huawei	LUNA2000-21-S1	20,7	590	255	1 230
SolarEdge	Home Battery 48 V	4,6	540	240	500
SolarEdge	Home Battery 400 V	9,7	860	350	1350

SolarEdge	Battery 23 kWh	23	540	240	500
Pylontech	Force H1	7,1	600	380	530
Pylontech	Force H2	7,1	450	296	822
Pylontech	Force H3	10.24	540	350	530
GoodWe	Lynx Home U 5.4	5,4	505	175	570
GoodWe	Lynx Home D 5 kWh	5	380	170	700
GoodWe	Lynx F G2 9.6	9,6	600	380	715
GoodWe	Lynx F G2 14.4	14,4	600	380	715
GoodWe	Lynx F G2 19.2	19,2	600	380	715
Growatt	ARK XH 5.1	5,1	650	260	630
Growatt	ARK 5.1 L	5,1	650	260	340
Sonnen	Eco (10 kWh)	10	660	483	1 448
SolaX	T-BAT H 5.8	5,8	474	193	708
SolaX	T-BAT H 11.5	11,5	474	193	1 355
SolaX	T-BAT H 20	20	850	300	1480
Sungrow	SBR064	6,4	625	330	438
Sungrow	SBR096	9,6	625	330	438
Sungrow	SBR128	12,8	625	330	568
Sungrow	SBR160	16	625	330	698
Sungrow	SBR192	19,2	625	330	828
Sungrow	SBR224	22,4	625	330	958
Sungrow	SBR256	25,6	625	330	1088
Blauhoff	PowerPack [10.0]	10.2	735	400	646
Blauhoff	PowerPack [15.0]	15.36	735	400	781.5
Blauhoff	PowerPack [20.0]	20.48	735	400	917
Blauhoff	PowerPack [26.0]	25.6	735	400	1053
Blauhoff	PowerPack [31.0]	30.72	735	400	1188
Blauhoff	PowerPack [35.84]	35.84	735	400	1324
Blauhoff	PowerPack [41.0]	40.96	735	400	1459
Dyness	Tower T7	7	504	380	700
Dyness	Tower T10	10	504	380	900
Dyness	Tower T14	14	504	380	1100

Dyness	Tower T17	17	504	380	1300
Dyness	Tower T21	21	504	380	1500
Dyness	Pro TP7	7	587	310	788
Dyness	Pro TP11	11	587	310	1009
Dyness	Pro TP15	15	587	310	1230
Dyness	Pro TP19	19	587	310	1451
SigEnergy	SigenStor BAT 5.0	5	850	260	640
SigEnergy	SigenStor BAT 5.0 [10.0]	10	850	260	910
SigEnergy	SigenStor BAT 5.0 [15.0]	15	850	260	1180
SigEnergy	SigenStor BAT 5.0 [20.0]	20	850	260	1450
SigEnergy	SigenStor BAT 8.0	8	850	260	640
SigEnergy	SigenStor BAT 8.0 [16.0]	16	850	260	910
SigEnergy	SigenStor BAT 8.0 [24.0]	24	850	260	1180
SigEnergy	SigenStor BAT 8.0 [32.0]	32	850	260	1450

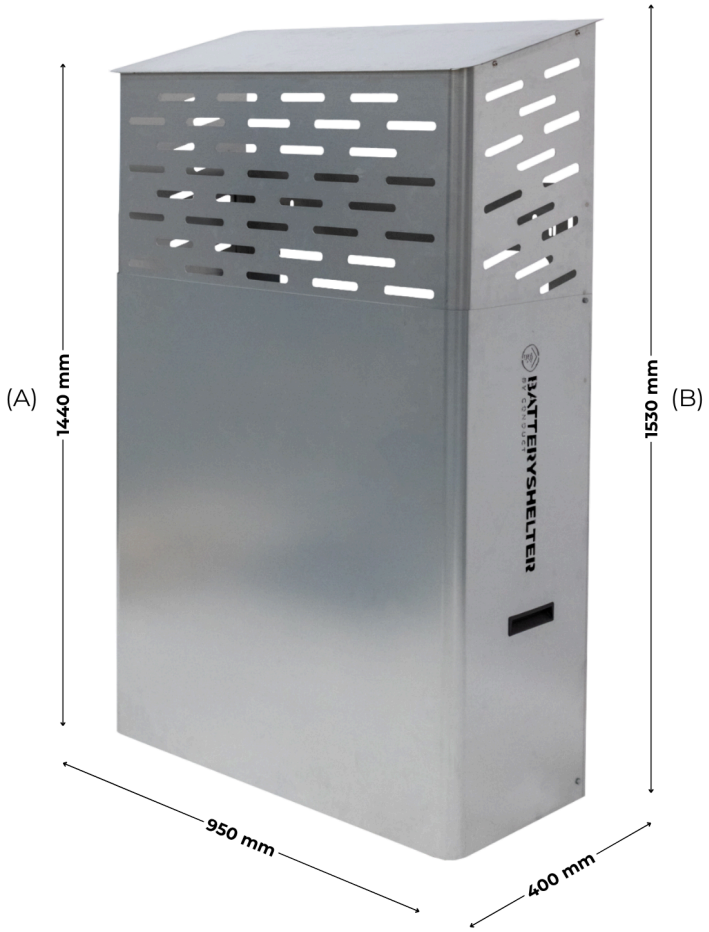
To determine whether **your ESS can be installed in the Batteryshelter** Wall Mount, the following method is used:

Physically compatible (**YES**/**NO**):

Only **YES** if the width ≤ 93 cm **and** the height ≤ the maximum allowable value depending on the depth..

Maximale installatiehoogte toegestaan (cm):
Op basis van diepte:

- Diepte **20 cm** → Max. hoogte **148 cm**
- Diepte **30 cm** → Max. hoogte **146 cm**
- Diepte **40 cm** → Max. hoogte **144 cm**



ISO 12944 – C3 standard

Based on the most commonly used facing bricks in residential construction, three standard colours are available for the Batteryshelter powder coating.

Standard Colours:
RAL 7016 – Anthracite Grey
RAL 9016 – Traffic White
RAL 8004 – Copper Brown

Optional:
Other RAL colours available upon request.
Please contact **sales@conduct.nl** or call **+31 180 53 11 20** for more information.

Example	Facing bricks	RAL	Global Trade Item Numbers	Description	Example RAL
		RAL 8004	**Art.** BS051125-1-8004 **GTIN:** 8718819224259	Copper Brown	
		RAL 9016	**Art.** BS051125-1-7016 **GTIN**: 8718819224273	Traffic White	
		RAL 7016	**Art.** BS051125-1-9016 **GTIN:** 8718819224266	Anthracite Grey	