



Feb, 2022

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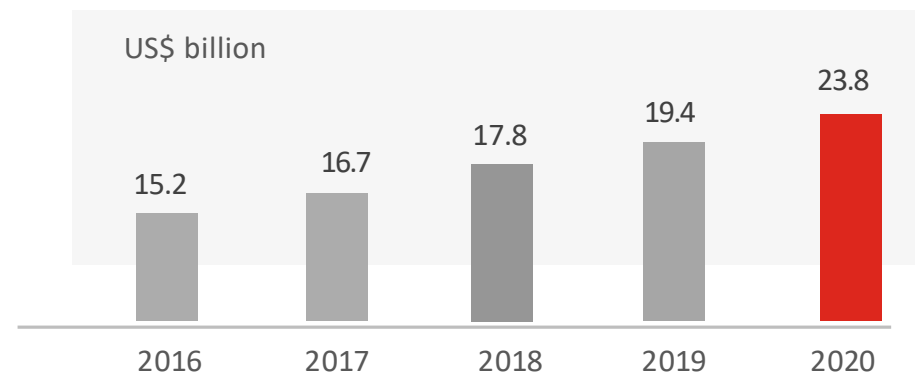




ABOUT BYD



2020 Sales Revenue **US\$23.8 Billion**
YoY increased by **22.6%**



GLOBAL PRESENCE

A MULTINATIONAL COMPANY

with Global Talents, Global Supply Chain, Manufacturing & Operation



FOUR INDUSTRIES



Auto



Electronics



New Energy

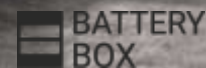


Rail Transit

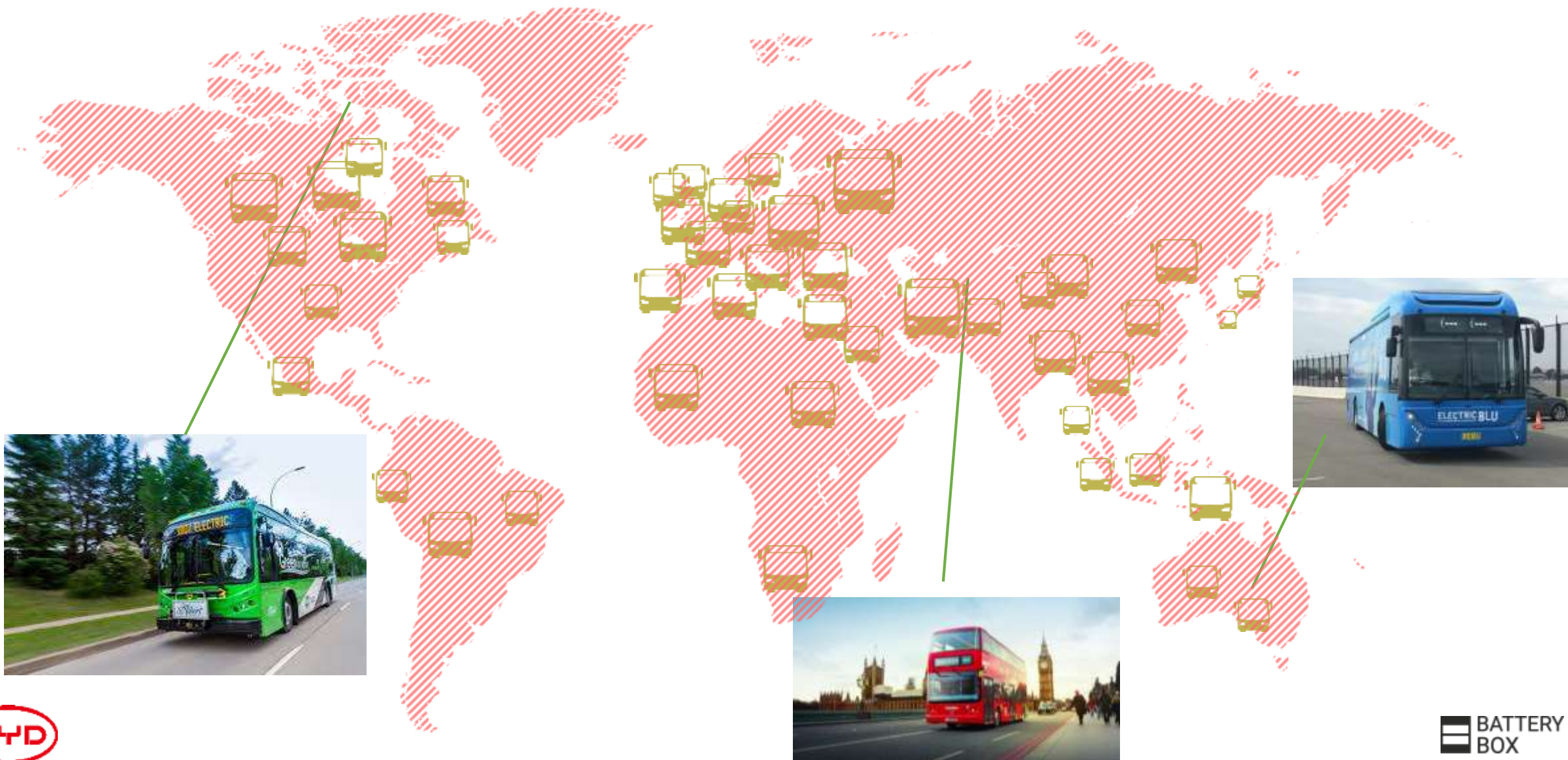


BYD AUTO - PASSENGER VEHICLES

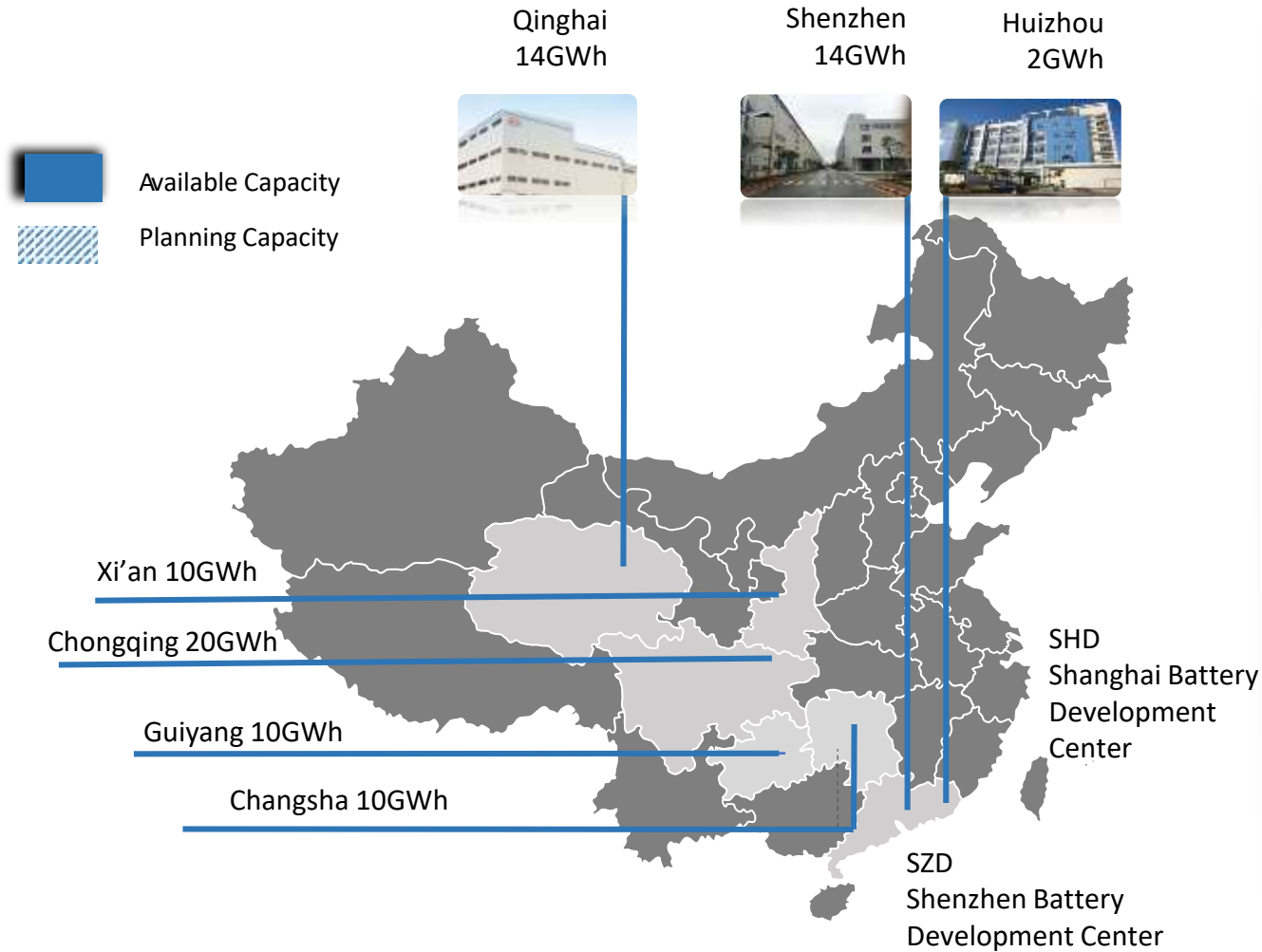
World's Leading New Energy Vehicle Manufacture



BYD AUTO - COMMERCIAL VEHICLES



BATTERY PRODUCTION CAPACITY-65 GWH/YEAR



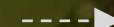
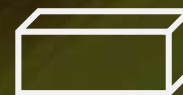
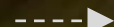
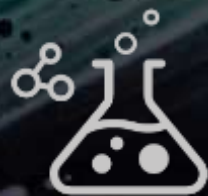
BYD BATTERY END TO END INDUSTRY CHAIN LAYOUT

Mineral resources
development

Process Development

BMS R&D
Manufacture

Pack R&D
Manufacture



Material Research
Manufacture

Cell R&D
Manufacture

Module R&D
Manufacture

Recycle





BYD BATTERY-BOX



SOUTHEAST ASIA ESS MARKET

Grid Scale

2.04MWh ~



Containerized ESS/BYD CUBE

C&I

Residential

On Grid

Off Grid



BYD Battery -Box
HVS/LV Flex Lite



BYD Battery -Box
LV Flex Lite



BYD BATTERY-BOX EVOLUTION

GEN 1



GEN 2



GEN 3



Product: Battery-Box Pro
Released: 2015

Product: Battery-Box HV
Released: 2017

Product: Battery-Box Premium HV
Released: 2020



BYD BATTERY-BOX ACHIEVEMENT

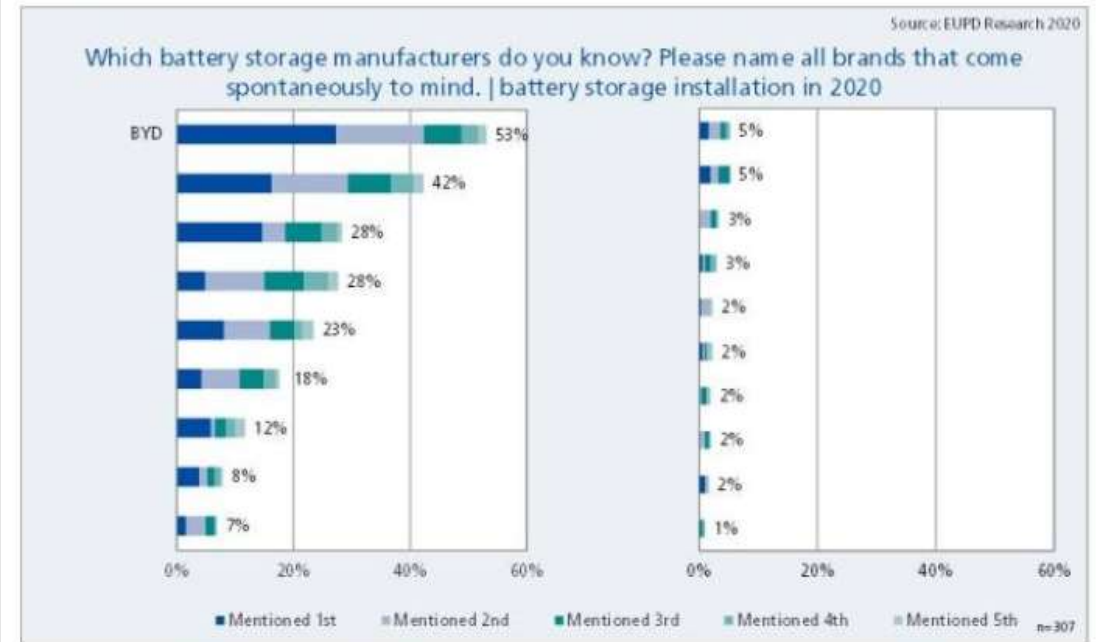
TOP 1 Brand Awareness

From EUPD Research 2020, BYD is the most well known battery storage manufacturer among the battery systems owners

Source: EUPD Research

Battery storage – Unaided brand awareness (2/2)

BYD is the most well known battery storage manufacturer among the owners of battery storage systems installed in 2020.



EUPD Research

SOURCE: PUBLICLY AVAILABLE EUPD RESEARCH REPORT

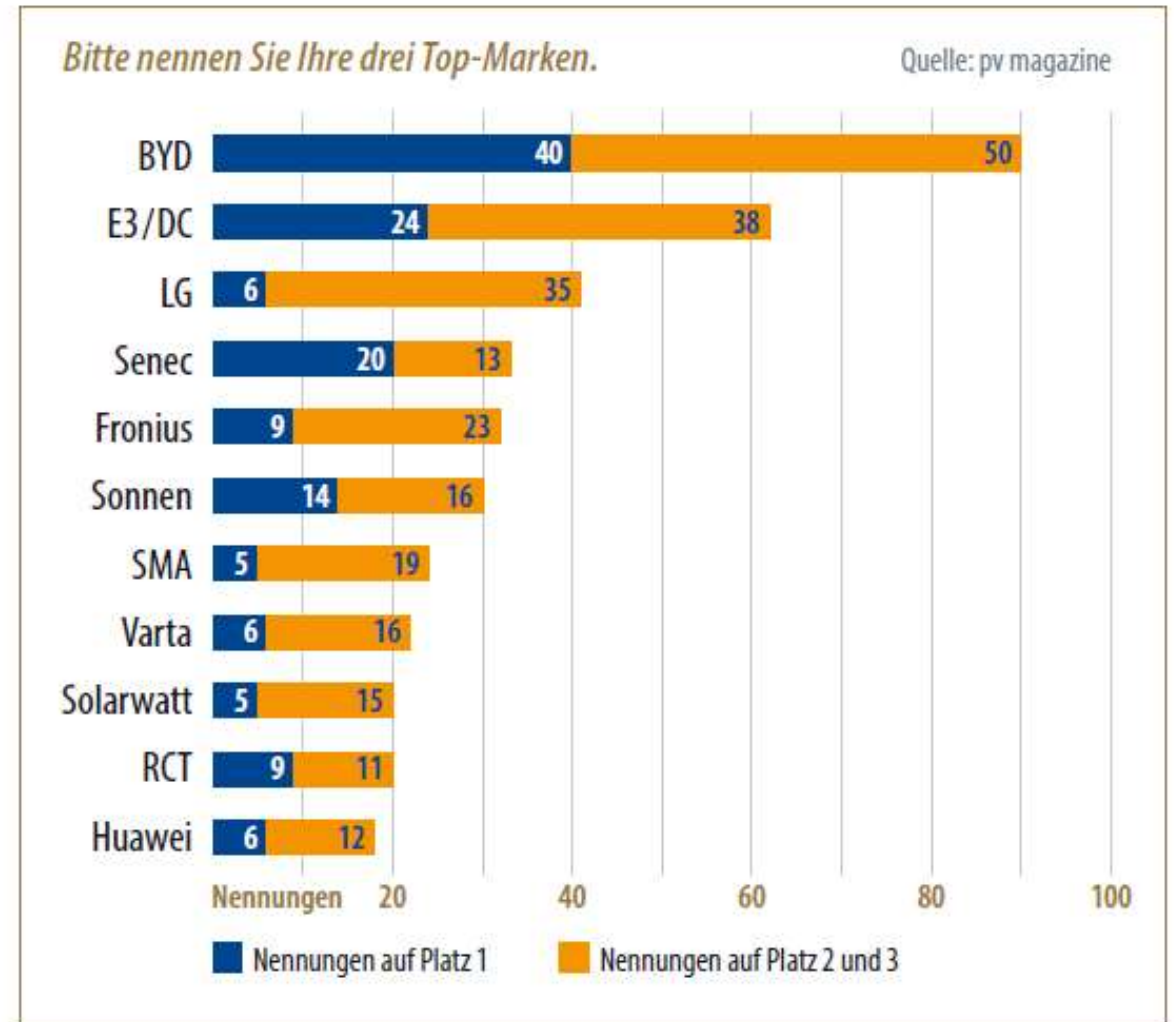


BYD BATTERY-BOX ACHIEVEMENT

Installer Favorite ESS Brand in Germany

TOP Choice
From Installer Partners

Source: PV magazine



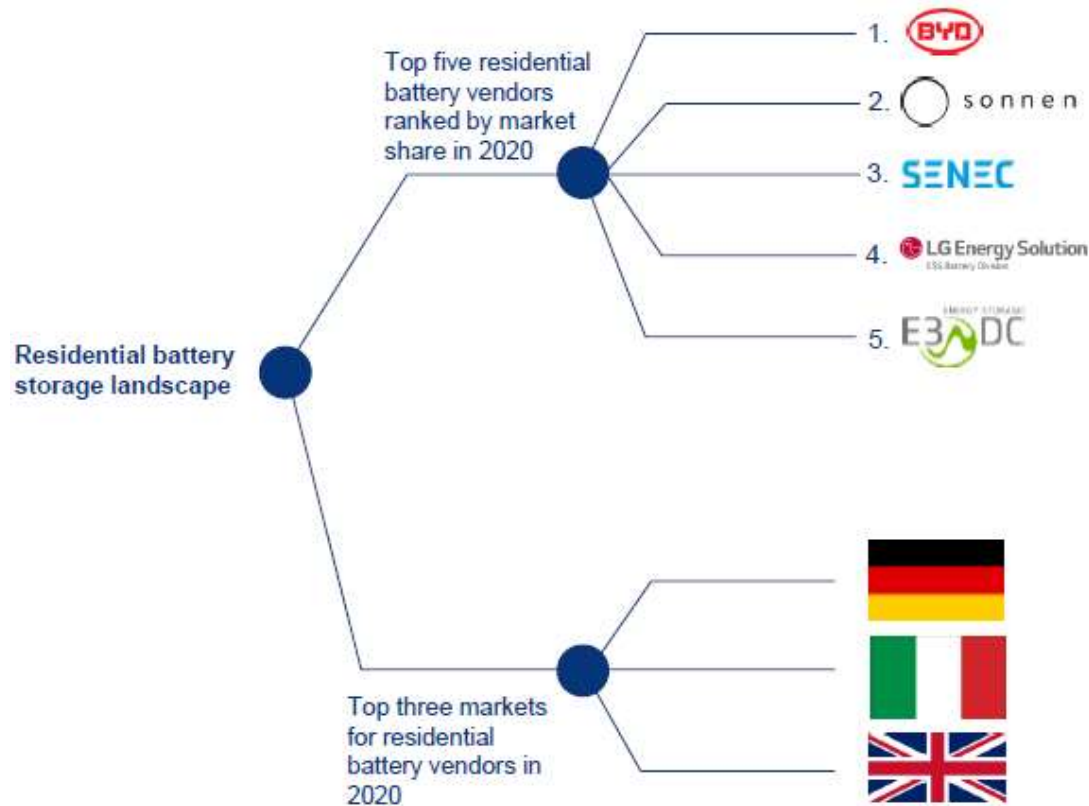
Grafik 4: Nach den Gründen gefragt, rangieren „Kompatibilität mit verschiedenen Wechselrichtern“ und „gutes Gesamtkonzept“ vorn.

<https://www.pv-magazine.de/2021/07/02/die-3-top-heimspeichermarken-der-installateure-sind-byd-vor-e3-dc-und-lg/>

BYD BATTERY-BOX ACHIEVEMENT

BYD leads the European residential battery segment

Solar-plus-storage packages are offered by most solar developers in Europe



- Based on our data and estimates, **BYD** was leading the European residential energy storage market as of 2020.
- **LFP** battery chemistry currently dominates the residential segment. BYD and Sonnen, the leaders of the European residential storage markets, both work with LFP battery chemistry. With a noted shift and tendency of other energy storage providers to LFP, we expect this battery chemistry's market share to increase in the coming years.
- For the top five listed residential battery vendors in Europe, residential storage is the main market. However, BYD, Sonnen, SENECE and E3DC have all already provided storage technologies for C&I customers.
- Based on our analysis and estimates, most residential battery vendors target Germany as their main market with 60-70% of their installation happening in this country. This focus alerts the potential of overcrowded markets in the near future. Investment outside Germany, Italy and the UK will unlock 14 GWh of distributed storage demand by 2030.

*Rankings are based on both Wood Mackenzie's estimates and collected company data

Source: Wood Mackenzie



AWARDS



2017

Top Innovation
Award of Time
Photovoltaic
Magazine



2018

Champion of Battery
Efficiency Test



2018-2020

Top Rank in the
System
Performance Index
by HTW in Germany



2018-2021

EUPD Research Top
Photovoltaic
Energy Storage
Brand

BYD BATTERY-BOX PREMIUM LINEUP FOR SEA



HVS



LV Flex Lite



4 HIGH ADVANTAGES

HIGH SAFETY



HIGH RELIABILITY



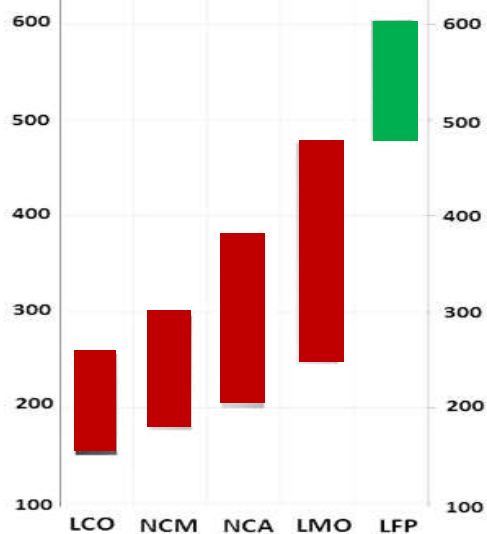
HIGH FLEXIBILITY



HIGH USABILITY



Temp. Range of Decomposition (°C)



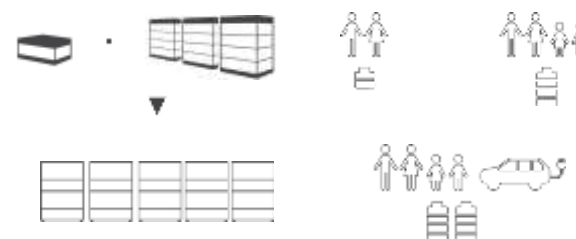
BYD

220,000+
Global Installation Experience

7 Years
Tracking Records

90+ Countries
Footprints

0
Fire Accident



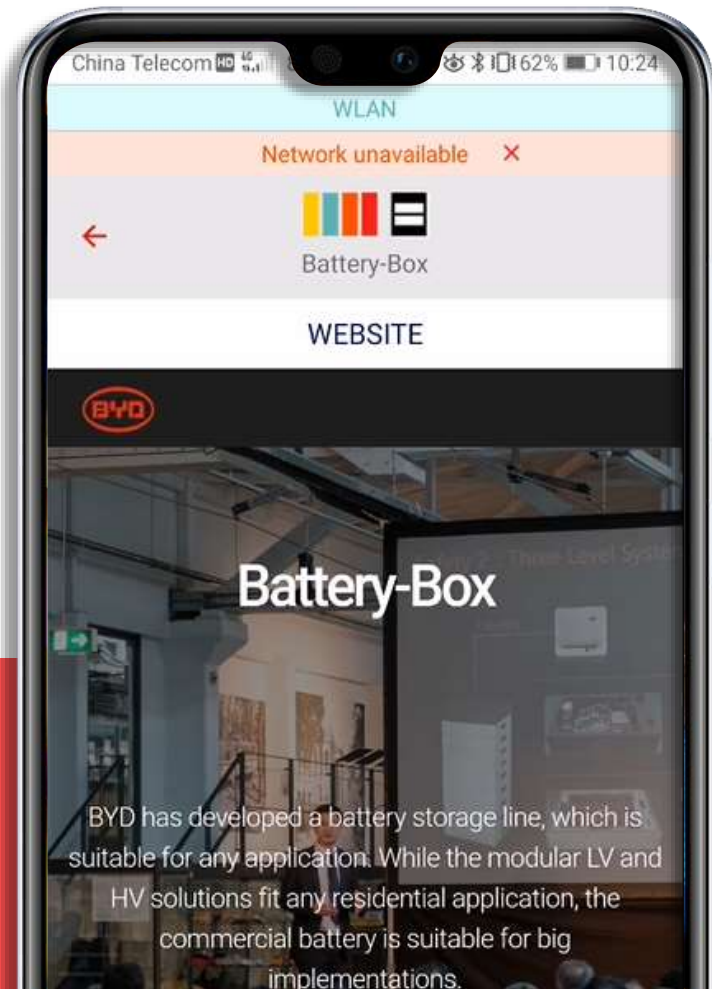
Extension



Installation



Be Connect 2.0



New App Be Connect 2.0

Battery-Box New Mobile App with easier user interface, real time data displaying, event recording and more smart functions.





LV Flex Lite



LV Flex Lite



1 x LV Flex Lite

4 x LV Flex Lite

64 x LV Flex Lite



LV Flex Lite Parameter



LV Flex Lite

Usable Energy [1]	5.0 kWh
Max Cont. Output Current [2]	70 A
Peak Output Current [2]	105 A, 5 s
Dimensions (H/W/D)	132x 482 x 510 mm
Weight	47 kg
Nominal Voltage	51.2 V
Operating Voltage	43.2 -57.6 V
Operating Temperature	-10 °C to +50°C
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)



LV Flex Lite Compatibility with Studer



Compatible Inverter (1- / 3-phase)		Minimum Configuration for Single Phase			Minimum Configuration for Three Phase		
		On Grid	On Grid with Full Backup Power	Off Grid Inrush Use	On Grid	On Grid with Full Backup Power	Off Grid Inrush Use
Studer	XTS1400-48	≥1	≥1	≥1	≥2	≥2	≥2
	XTM2600-48	≥1	≥2	≥2	≥3	≥4	≥4
	XTM4000-48	≥2	≥3	≥3	≥4	≥7	≥7
	XTH6000-48	≥2	≥4	≥4	≥6	≥9	≥9
	XTH8000-48	≥3	≥5	≥5	≥8	≥13	≥13
	Next3	-	-	-	≥5	≥6	≥6
	VT-65	≥1	≥1	≥1	≥3	≥3	≥3
	VT-80	≥2	≥2	≥2	≥4	≥4	≥4
	VS-70	≥1	≥1	≥1	≥3	≥3	≥3
	VS-120	≥2	≥2	≥2	≥6	≥6	≥6
Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Inverter firmware ≥ R664							

LV Flex Lite Warranty



1.2. Limited Product Warranty

BYD warrants that the Product will be free from defects in materials or workmanship for **five (5) years** from Warranty Start Date, subject to the exclusions and limitations set out below.

1.3. Limited Performance Warranty

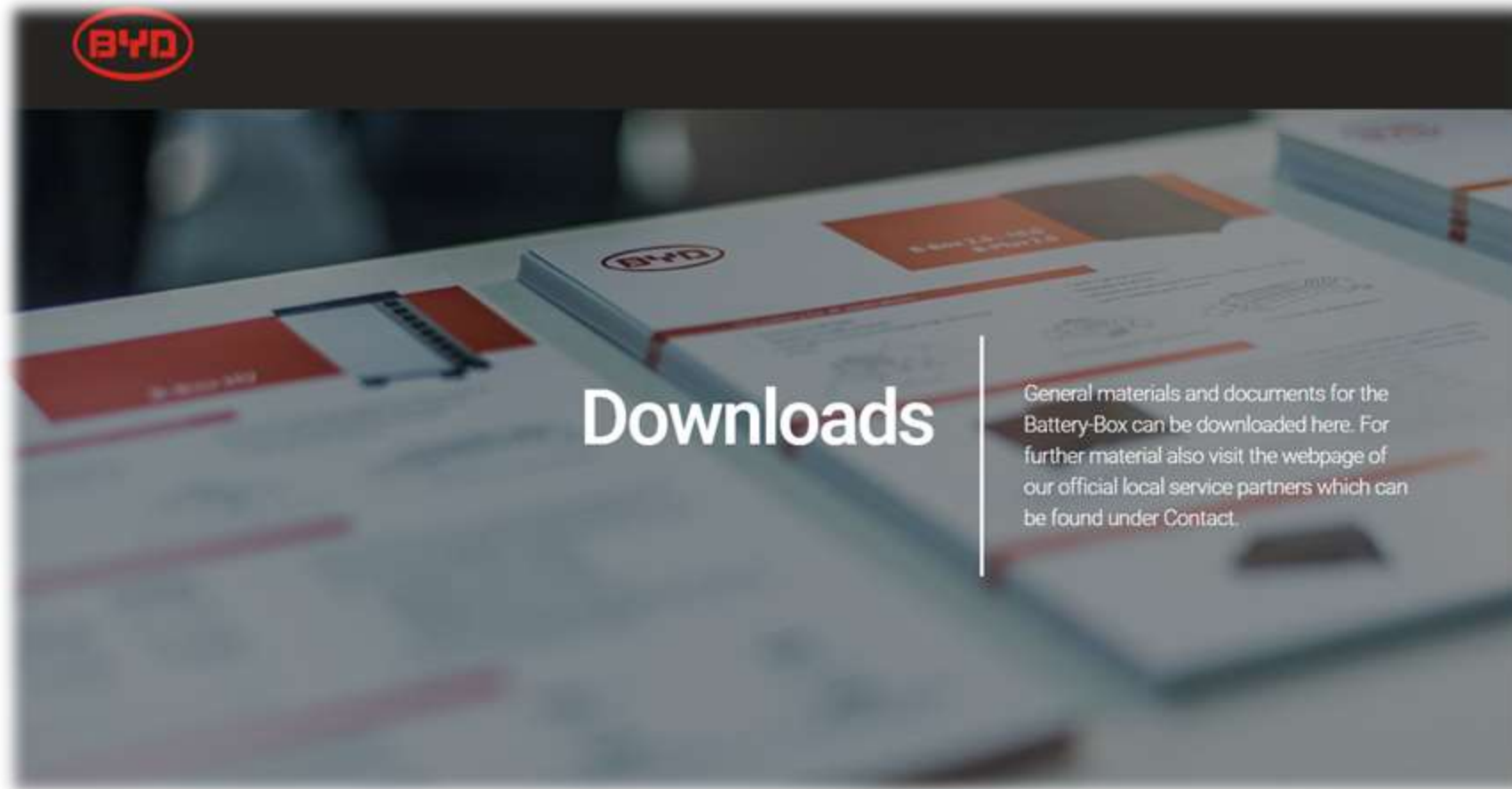
- a) BYD warrants that the Product will (i) retain **sixty per cent (60%)** of its Usable Energy for **seven (7) years** from the Warranty Start Date ("Original Period") (If the Product connecting to the internet within the Original Period, the period of the Limited Performance Warranty will extend to **ten (10) years**) or (ii) reach the Minimum Throughput Energy, whichever comes first, on the condition that the Product is operated in a normal manner that adheres to the manual guidelines provided by BYD.



An aerial photograph of a mountainous region, likely in the Alps, showing a dense network of roads and valleys. The terrain is rugged with steep slopes and deep valleys. The roads are light-colored, winding through the green and brownish slopes. The overall scene is a complex web of transportation routes across a mountainous landscape.

INFORMATION CHANNEL

BYD BATTERY-BOX WEBSITE



www.bydbatterybox.com



SOCIAL MEDIA & NEWSLETTER – STAY CLOSE WITH US!



<https://www.linkedin.com/company/byd-battery-box>

https://twitter.com/BYD_BatteryBox

<https://www.facebook.com/BatteryBoxBYD>

Installation Video: <https://www.youtube.com/watch?v=sLJKRbH3f90>





BATTERY
BOX

Thanks

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