BÄREN
BATTERIE · GMBH

BÄREN

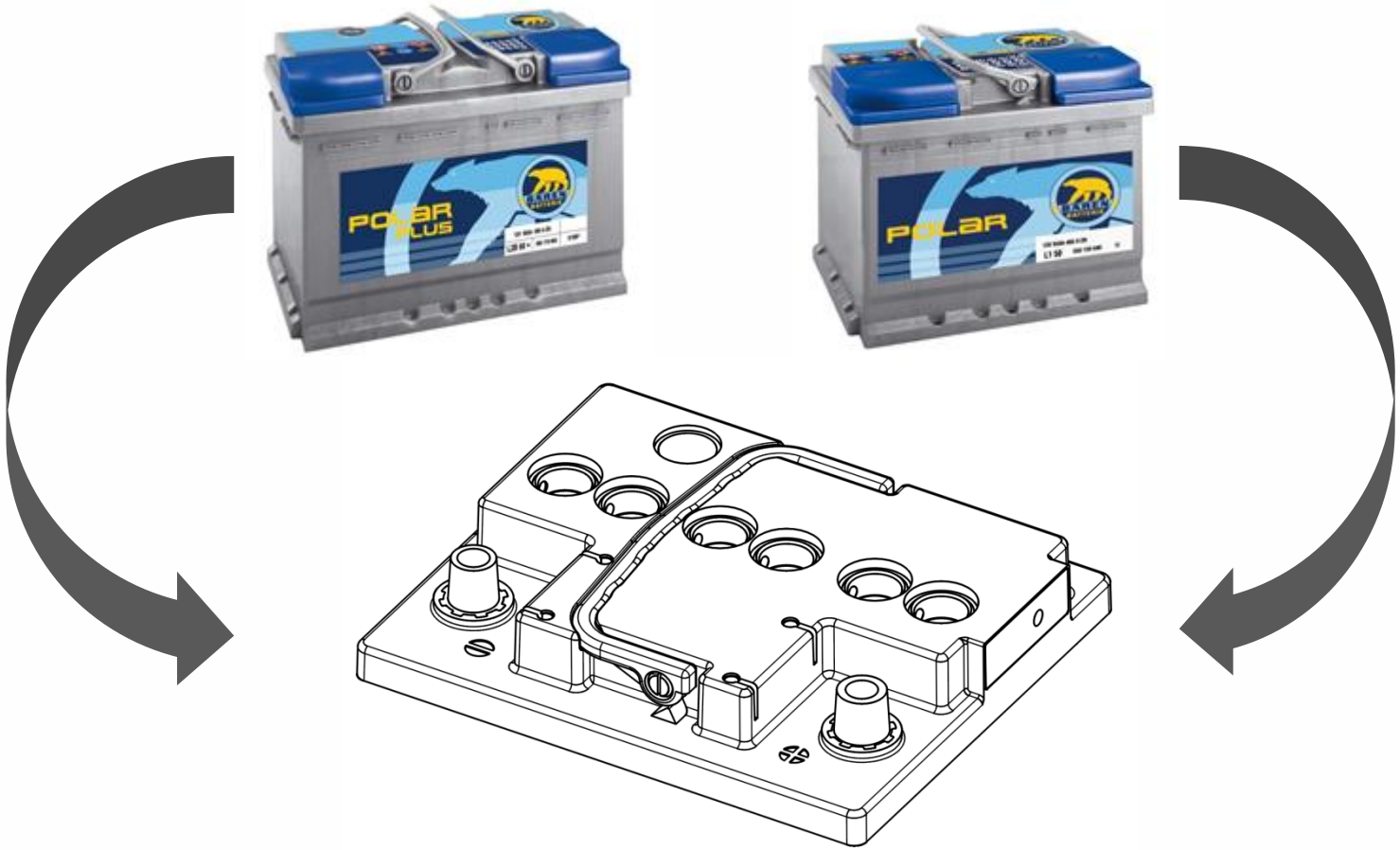
29/03/2017

- New car range
- POLAR TECHNIK range

New car range - main features actual car range

	POLAR PLUS	POLAR	PROFI
Ah – CCA AEN	**≥ OE**	**= OE**	**= standard**
Technology	**Exp. metal Ca-Ca**	**Exp. metal Ca-Ca**	**Exp. metal Ca-Ca**
Cover:			
• Magic eye	**Yes**	**Yes**	**Yes** (JIS serie)
• Flame arrestor	**Yes**	**Yes**	**Yes** (JIS serie)
• Labyrinth	**Yes**	**Yes**	**Yes**
• Handle	**Yes**	**Yes**	**Yes**
• Central degassing system	**Yes**	**Yes**	**Yes**
Box and lid colour	**Silver**	**Silver**	**Black**
Dimensional groups	**"L"** and **"LB"**	**"L"** and **"LB"**	**JIS serie, LX, GR24, E2**
Car park coverage	**~ 80%**	**~ 80%**	**~ 95%**

New car range – SPC cover



SPC cover

(Safety Power Checked)

New car range – SPC cover

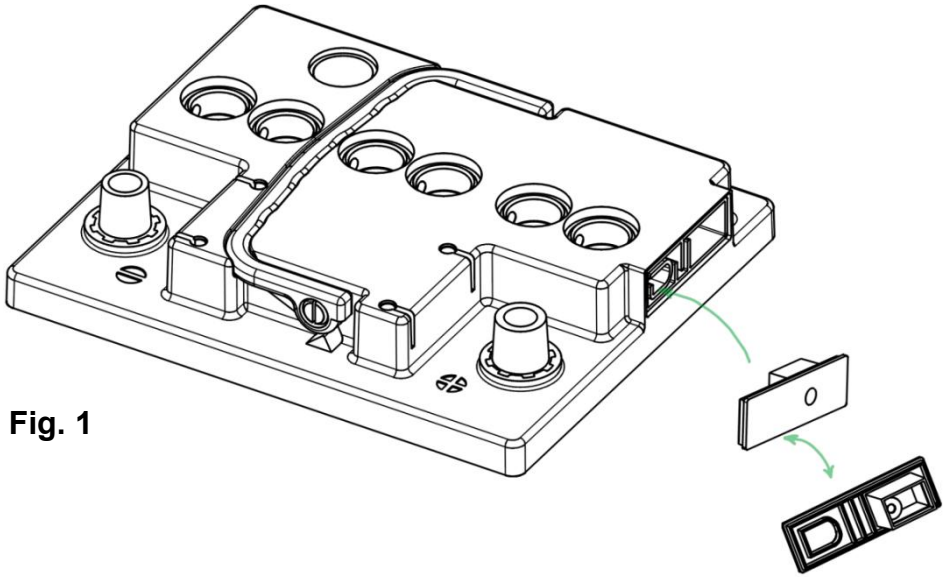


Fig. 1

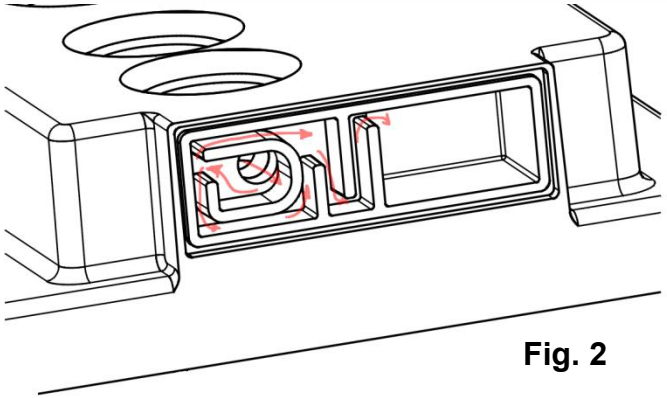
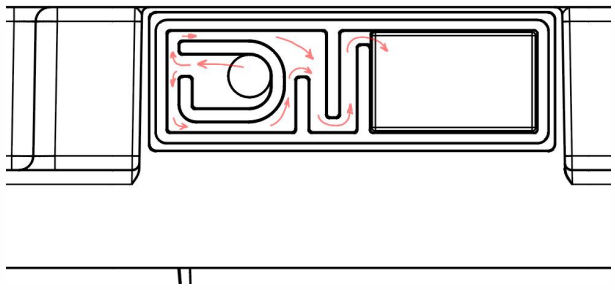


Fig. 2

Fig. 3



The internal side of the gas outlet is composed by two parts: one (the labyrinth) is printed on the cover, the other (the flame arrestor support) is welded to the cover in a second time.

Flame arrestor is a porous plastic plaque which avoid the risk of flames penetration in the battery. It is welded to the support, in front to external outlet, where is visible as a white spot.

New car range – SPC cover

During charging, gases and vapours are generated inside the battery.
Fluids are collected in the common plug pipe and arrive inside the labyrinth. Here they turn around the labyrinth walls, pass through the plaque and go out.

Condensed vapours and sprays are heavy than gases and stop in the lower part of the labyrinth, allowing the gases to find a free way to go out.

Fig. 4

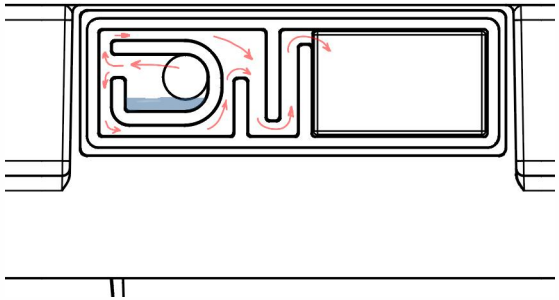


Fig. 5

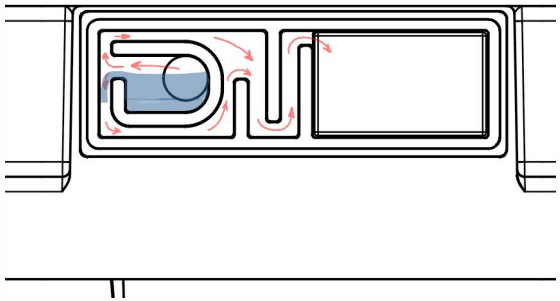
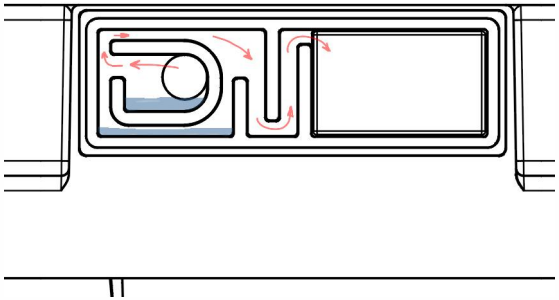


Fig. 6



New car range – SPC cover

SPC cover – main OE customers

New car range – key points

It is available on all batteries, “L" and “LB" series, in the POLAR range: the SPC (Safety Power Checked) cover has a ducting system with a single gas exhaust port and a flame arrester pad, inside the cover, to zero the risks caused by occasional sparks or open flames outside of the battery. The SPC cover is currently used as first outfit on all new vehicles of the major car manufacturers.

BAREN original batteries are produced at the same manufacturing plants where the first outfit components are manufactured; they are all certified according to the Automotive ISO/TS 16949 standard, using the same technology, labour, tooling and controls approved by the car manufactures concerned

POLAR range batteries do not require any top up all life long. Water consumption is so low that the factory reserve of electrolyte is enough for all the years of battery utilization. According to the current **EN 50342-1:2006-04** standard on L and LB POLAR series batteries, the water consumption level is lower than **1 g/Ah**.

New car range – key points

	Level
Polar Plus	1
Polar	2
Profi	3

Based on 3 levels

	Level
Polar Plus + Polar	1
Profi	2

Based on 2 levels

New car range – key points

Level 1

SPC	MQ	MF	ME
✓	✓	✓	✓

BLU POLAR

Level 2

SPC	MQ	MF	ME
serie L	✓	✓	serie JIS

PROFI

SPC	Safety Power Check
MQ	Matching Quality
MF	Maintenance Free
ME	Magic Eye

New car range – BLU POLAR

BLU POLAR

ID code	BAREN code	Capacity (Ah)	CCA (A EN)	Dimensions LxWxH (mm)	Terminal polarity	Terminal *	Hold down
L0 44P	7905613	44	390	175x175x190	(0) RH	1	B13
L1 44P	7905614	44	390	207x175x190	(0) RH	1	B13
L1B 44P	7905615	44	420	207x175x175	(0) RH	1	B13
L1 50P	7905616	50	460	207x175x190	(0) RH	1	B13
L1B 50P	7905617	50	520	207x175x175	(0) RH	1	B13
L1 54P	7905618	54	520	207x175x190	(0) RH	1	B13
L2B 54P	7905619	54	540	242x175x175	(0) RH	1	B13
L2 60P	7905620	60	540	242x175x190	(0) RH	1	B13
L2X 60P	7905621	60	540	242x175x190	(1) LH	1	B13
L2B 60P	7905622	60	600	242x175x175	(0) RH	1	B13
L2 64P	7905623	64	610	242x175x190	(0) RH	1	B13
L2X 64P	7905624	64	610	242x175x190	(1) LH	1	B13
L3 70P	7905625	70	640	278x175x190	(0) RH	1	B13
L3B 71P	7905626	71	680	278x175x175	(0) RH	1	B13
L3 74P	7905627	74	680	278x175x190	(0) RH	1	B13
L3X 74P	7905628	74	680	278x175x190	(1) LH	1	B13
L3B 75P	7905629	75	730	278x175x175	(0) RH	1	B13
L3 80P	7905630	80	730	278x175x190	(0) RH	1	B13
L4B 85P	7905631	85	760	315x175x175	(0) RH	1	B13
L5 90P	7905632	90	800	353x175x190	(0) RH	1	B13
L5 100P	7905633	100	870	353x175x190	(0) RH	1	B13

* DIN terminal

New car range – PROFI

PROFI

ID code	BAREN code	Capacity (Ah)	CCA (A EN)	Dimensions LxWxH (mm)	Terminal polarity	Terminal *	Hold down
B19J 38	7905665	**38** - ~~35~~	300	187x127x220	(0) RH	3	B00
B19JX 38	7905666	**38** - ~~35~~	300	187x127x220	(1) LH	3	B00
B19JAK 38	7905667	**38** - ~~35~~	300	187x127x220	(0) RH	3	B01
L1B 36	7905669	36	330	207x175x175	(0) RH	1	B13
L0 40	7905668	40	330	175x175X190	(0) RH	1	B13
L1 44	7905670	44	**360** - ~~390~~	207x175x190	(0) RH	1	B13
L1X 44	7905671	44	360	207x175x190	(1) LH	1	B13
E2 45	7905672	45	330	218x133x223	(0) RH	1	B01
E2X 45	7905673	45	330	218x133x223	(1) LH	1	B01
B24 45	7905674	45	360	237x128x225	(0) RH	3	B00
B24X 45	7905675	45	360	237x128x225	(1) LH	3	B00
B24J 45	7905676	45	360	237x128x225	(0) RH	3	B00
B24JX 45	7905677	45	360	237x128x225	(1) LH	3	B00
L2B 50	7905680	**50** - ~~45~~	**480** - ~~420~~	242x175x175	(0) RH	1	B13
D20 50	7905678	50	420	200x170x223	(0) RH	1	B01 int.
D20X 50	7905679	50	420	200x170x223	(1) LH	1	B01 int.
L2 55	7905681	55	480	242x175x190	(0) RH	1	B13
L2 60	7905683	60	510	242x175x190	(0) RH	1	B13
L2X 60	7905684	60	510	242x175x190	(1) LH	1	B13
D23 60	7905685	60	540	230x170x223	(0) RH	1	B01 int.
D23X 60	7905686	60	540	230x170x223	(1) LH	1	B01 int.
L3B 66	7905687	**66** - ~~63~~	**600** - ~~540~~	278x175x175	(0) RH	1	B13
GR24 70	7905688	70	540	270x175x225	(0) RH	1	B07/B12
GR24X 70	7905689	70	540	270x175x225	(1) LH	1	B07/B12
L3 70	7905690	70	600	278x175x190	(0) RH	1	B13
L3X 70	7905691	70	600	278x175x190	(1) LH	1	B13
L3 74	7905692	74	640	278x175x190	(0) RH	1	B13
D26 75	7905693	75	640	259x178x221	(0) RH	1	B01 int.
D26X 75	7905694	75	640	259x178x221	(1) LH	1	B01 int.
L4 95	7905695	95	850	315x175x190	(0) RH	1	B13
L4X 95	7905696	95	850	315x175x190	(1) LH	1	B13
L5B 85	7905697	85	760	353x175x175	(0) RH	1	B13
L5 88	7905698	88	**760** - ~~720~~	353x175x190	(0) RH	1	B13
D31 95	7905699	95	760	305x178x221	(0) RH	1	B01 int.
D31X 95	7905700	95	760	305x178x221	(1) LH	1	B01 int.
L6 110	7905701	110	950	394x175x190	(0) RH	1	B13

New car range – BLU POLAR

Top

Front

New car range – BLU POLAR

New car range – PROFI

Top

Front

New car range – PROFI

- New car range

- POLAR TECHNIK range

POLAR TECHNIK range

Batteries for micro hybrid cars with S&S and/or BER

POLAR TECHNIK AGM

ID code	BAREN code	Capacity (Ah)	CCA (A EN)	Dimensions LxWxH (mm)	Terminal polarity	Terminal *	Hold down
VR680		60	680	242x175x190	(0) RH	1	B13
VR760	7904204	70	760	278x175x190	(0) RH	1	B13
VR800	7904205	80	800	315x175x190	(0) RH	1	B13
VR900	7904206	90	900	353x175x190	(0) RH	1	B13
VR900		105	950	393x175x190	(0) RH	1	B13

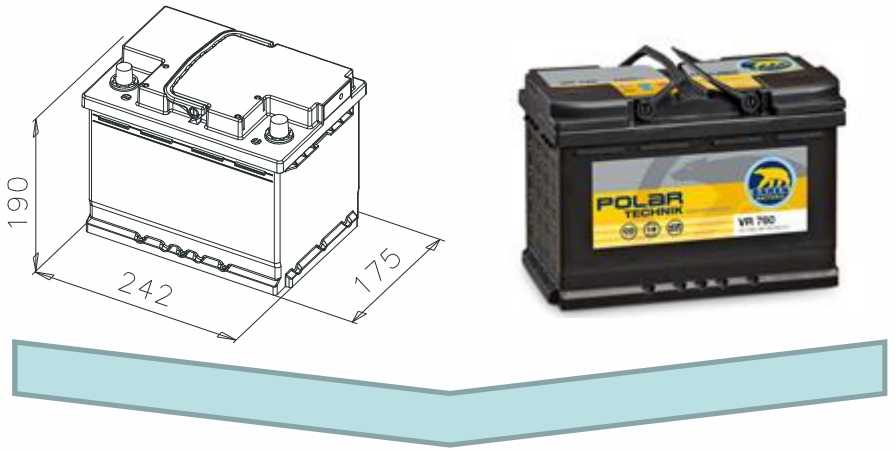
POLAR TECHNIK AFB

ID code	BAREN code	Capacity (Ah)	CCA (A EN)	Dimensions LxWxH (mm)	Terminal polarity	Terminal *	Hold down
TR520	7904207	60	520	242x175x190	(0) RH	1	B13
TR650	new	65	650	278x175x175	(0) RH	1	B13
TR680	7904208	70	680	278x175x190	(0) RH	1	B13
TR730	new	75	730	315x175x175	(0) RH	1	B13
TR740	7904209	80	740	315x175x190	(0) RH	1	B13
TR850	new	95	850	353x175x190	(0) RH	1	B13

POLAR TECHNIK range - AGM

Batteries for micro hybrid cars with S&S and/or BER

VR680
12V 60Ah 680A EN

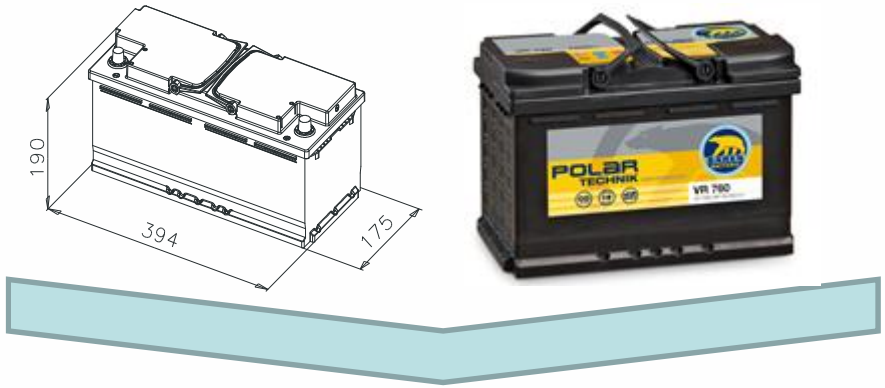


	OE codes	Main applications
HYUNDAI	37110-1H483 - 371101H483	i20 – i30
SEAT	6R0 915 105 A	Ibiza - Leon
SKODA	6R0 915 105 A	Fabia - Rapid
SMART	A 000 982 86 08	Fortwo - Forfour

POLAR TECHNIK range - AGM

Batteries for micro hybrid cars with S&S and/or BER

VR950
12V 105Ah 950A EN



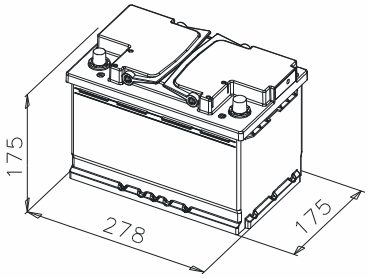
	OE codes	Main applications
AUDI	7P0915105D - 4L0915105 - 000915105CF	A7 – A8 – Q5 – Q7
BMW	61217604808 - 61217604809 - 61217648322	Serie 5 – Serie 7 – X5 – X6
MERCEDES	A0009821808 - 00019828308	Classe G - Classe S
PORSCHE	95861110521	Cayenne - Panamera
VW	7P0915105D - 4L0915105 - 000915105CF	Touareg

* Available from September 2017

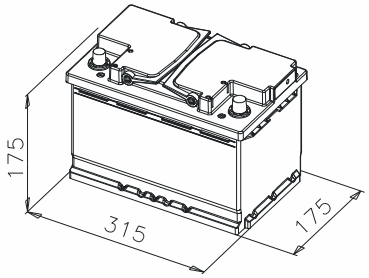
POLAR TECHNIK range - AFB

Batteries for micro hybrid cars with S&S and/or BER

TR650
65Ah - 650A EN



TR730
75Ah - 760A EN

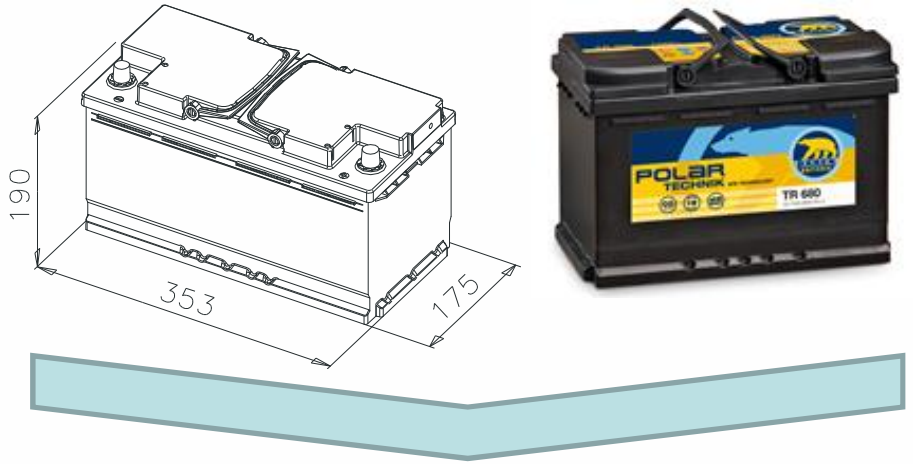


Ford

POLAR TECHNIK range - AFB

Batteries for micro hybrid cars with S&S and/or BER

TR850
12V 95Ah 850A EN



	OE codes	Main applications
RENAULT	244108926R	Master

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