

GET STARTED!

TYPE LIST 2017/18

# DURACELL<sup>®</sup>

## AUTOMOTIVE



[duracell-automotive.com](http://duracell-automotive.com)



## FACTS AND FIGURES

- ▶ Reliable starting power
- ▶ Safety and leak protection due to a four-chamber flat lid with integrated flame arrester
- ▶ Modern calcium technology – zero maintenance
- ▶ 12 battery models from 44Ah to 95Ah
- ▶ Product classification with UK number and EN/SAE cold crank power
- ▶ Optimum price-performance ratio

Battery type	Battery type UK	Box	Capacity AH 20h	Cold crank current A EN	Cold crank current A SAE	Layout	Terminal	
								Length (max.) mm
<b>Duracell Starter (SLI-battery for cars with fewer electrical components)</b>								
DS 44	UK063	LB1	44	360	400	0	1	210
DS 45	UK048	E2	45	300	320	0	1	218
DS 45L	UK049	E2	45	300	320	1	1	218
DS 45H <b>NEW</b>	UK012	L1	45	400	420	0	1	210
DS 55	UK065	LB2	55	450	480	0	1	241
DS 60	UK075	LB2	60	480	500	0	1	241
DS 62	UK027	L2	62	510	540	0	1	241
DS 70	UK100	LB3	70	640	680	0	1	278
DS 72	UK096	L3	72	660	700	0	1	278
DS 72L	UK086	L3	72	660	700	1	1	278
DS 88	UK017	LB5	88	660	700	0	1	354
DS 95	UK019	L5	95	720	760	0	1	354

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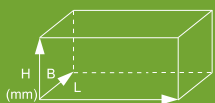
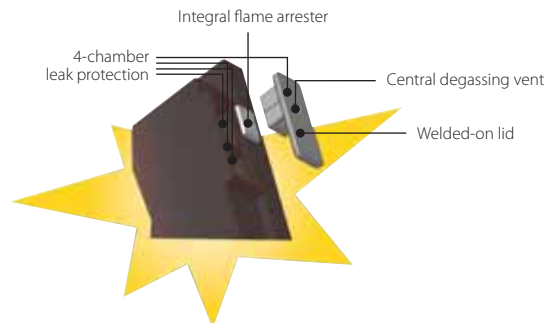
## STARTER

### QUALITY & RELIABILITY

**The entry into the high quality world of the Duracell brand.** The Duracell Starter, built to the most modern standards, offers an optimal combination of price and performance and is the obvious choice for customers who demand an excellent product for a super price. In this respect, Duracell Starter is the ideal solution – Reliable power for every engine start, completely maintenance free by means of modern full calcium technology, and the highest safety standards.

The 4-chamber leak protection feature ensures no leakage of acid if the battery is exposed to vibration, maximum safety once installed via the central venting system and an integral flame arrester to protect against external ignition. Clear product part numbering, including EN/SAE Cold cranking values and UK part numbering and a range of 12 battery types from 44Ah up to 95Ah demonstrate the universal suitability of this high value battery.

**4-chamber leak protection:  
proven safety**




			Battery specifications	Base hold-down	Application
Width (max.) mm	Box height (max.) mm	Total height (max.) mm			
175	175	175	mGGA	B13	BMW, Opel, Renault, Fiat, Skoda, VW
135	203	225		B01	Renault R8-R13, Dacia
135	203	225		B01	Peugeot, Honda, Dacia
175	190	190	mGGA	B13	Fiat, Alfa Romeo, Lancia, Citroën, Peugeot
175	175	175	mGGA	B13	BMW, Fiat, Ford, Peugeot, Renault
175	175	175	mGGA	B13	Mercedes, BMW, Opel, Peugeot, Renault, Ford
175	190	190	mGGA	B13	Mercedes, BMW, VW, Opel, Peugeot, Citroën
175	175	175	mGGA	B13	Mercedes, BMW, Opel, Fiat, Ford
175	190	190	mGGA	B13	Mercedes, BMW, VW, Opel, Fiat, Peugeot, Citroën
175	190	190	mGGA	B01	Chrysler Voyager
175	175	175	mGGA	B13	BMW D, Citroën D, Mercedes D, VW D
175	190	190	mGGA	B13	Audi, BMW, Mercedes, Porsche, VW



## FACTS AND FIGURES

- ▶ Improved cold crank characteristics, maximum starting power
- ▶ Modern calcium technology – zero maintenance
- ▶ Supports high on-board power due to robust cyclical behaviour
- ▶ Maximum leak and external ignition protection, superior ESD-safety
- ▶ Vibration resistant due to the bonding of the plates to the battery floor
- ▶ 23 battery models from 40Ah to 110Ah
- ▶ Product classification with UK number and EN/SAE cold crank power

Battery type	Battery type UK	Box	Capacity AH 20h	Cold crank current A EN	Cold crank current A SAE	Layout	Terminal	Length (max.) mm
<b>Duracell Advanced (= High performance SLI-battery for modern cars with many on-board electronics)</b>								
DA 40B	UK054	35NS	40	330	360	0	3	187
DA 40	UK054	35NS	40	330	360	0	3	187
DA 40L	UK055	35NS	40	330	360	1	3	187
DA 42 	UK202	L0	42	390	420	0	1	175
DA 44	UK063	LB1	44	420	450	0	1	210
DA 45	UK044	45NS	45	390	420	0	1+3	238
DA 45L	UK043	45NS	45	390	420	1	1+3	238
DA 50	UK012	L1	50	450	480	0	1	210
DA 60	UK005L	D23	60	510	550	0	1	233
DA 60L	UK005R	D23	60	510	550	1	1	233
DA 60T	UK075	LB2	60	540	600	0	1	241
DA 62H	UK027	L2	62	550	600	0	1	241
DA 63H	UK027	L2	63	600	650	0	1	241
DA 70	UK068	D26	70	600	650	0	1	260
DA 70L	UK069	D26	70	600	650	1	1	260
DA 72	UK100	LB3	72	660	700	0	1	278
DA 74	UK096	L3	74	680	740	0	1	278
DA 80	UK110	LB4	80	700	750	0	1	315
DA 95	UK249	D31	95	740	780	0	1	303
DA 95L	UK250	D31	95	740	780	1	1	303
DA 95H	UK019	L5	95	780	820	0	1	354
DA 100	UK019	L5	100	820	860	0	1	354
DA 110	UK020	L6	110	850	900	0	1	394

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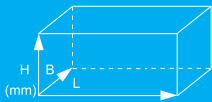
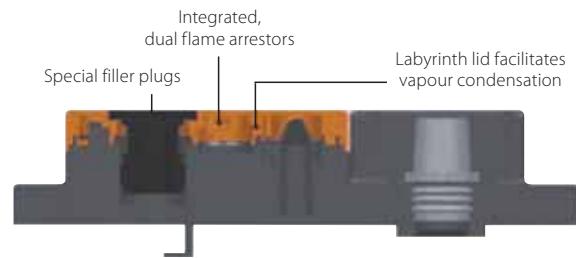
## ADVANCED



### EXTRA POWER & LIFE

**Maximum power for starting and for the vehicle systems.** The Duracell Advanced is the embodiment of the Duracell Automotive brand quality! This power source meets the highest demands of leading vehicle manufacturers, so it is the ideal battery for the modern car. Its construction combines full calcium technology for improved starting power, with the highest possible safety via the double lid. This battery lid ensures the acid is fully contained even if the battery is tipped up or rolls over. Additional features include improved protection against external ignition, anti static buildup protection, and dual option remote venting. Ideal for modern SUV's. Duracell Advanced offers optimized cold cranking values, robust cyclic capability and is completely maintenance free. 23 battery types give almost complete range cover for all European and Asian vehicles.

**Double Lid – The first class safety lid of the Duracell Advanced**



Dimensions (mm)			Battery specifications	Base hold-down	Application
Width (max.) mm	Box height (max.) mm	Total height (max.) mm			
137	204	226	mGGA	B01	Hyundai Atos, i 10, Kia Picanto, Honda Jazz 03-
127	204	226	mGGA	B00	Daihatsu, Honda, Mitsubishi, Subaru, Suzuki
127	204	226	mGGA	B00	Suzuki, Daihatsu, Honda, Subaru
175	190	190	GA	B13	Fiat, Alfa Romeo, Lancia, Aixam 99-
175	175	175	mGGA	B13	BMW, Opel, Renault, Fiat, Skoda, VW
129	203	225	mGGA	B00	Toyota, Subaru, Mazda, Suzuki, Toyota
129	203	225	mGGA	B00	Daihatsu, Mitsubishi, Honda, Suzuki, Hyundai
175	190	190	mGGA	B13	Fiat, Alfa Romeo, Lancia, Citroën, Peugeot
173	203	225	mGGA	B00	Mazda, Subaru, Nissan, Suzuki, Toyota, Hyundai, Kia
173	203	225	mGGA	B00	Nissan, Toyota, Honda, Mazda, Isuzu, Mitsubishi
175	175	175	mGGA	B13	Mercedes, BMW, Opel, Peugeot, Renault, Ford
175	190	190	mGGA	B13	Mercedes, BMW, Opel, Peugeot, Renault
175	190	190	mGGA	B13	Mercedes, BMW, VW, Opel, Peugeot, Citroën
174	200	222	mGGA	B01	Daihatsu, Honda, Isuzu, Mazda, Mitsubishi, Nissan
174	200	222	mGGA	B01	Volvo, Honda, Hyundai, Isuzu, Kia, Mitsubishi, Nissan
175	175	175	mGGA	B13	Mercedes, BMW, Opel, Fiat, Ford, Renault
175	190	190	mGGA	B13	Mercedes, BMW, VW, Opel, Fiat, Peugeot, Citroën
175	175	175	mGGA	B13	Audi D, BMW D, Nissan D, Renault D, VW D
173	203	225	mGGA	B01	Fiat Tractors, Mazda D, Nissan, Toyota D, Hyundai D, Kia D
173	203	225	mGGA	B01	Nissan D, Toyota D, Mitsubishi D, Hyundai D, Kia D
175	190	190	mGGA	B13	Audi, BMW, Mercedes, Porsche, VW
175	190	190	mGGA	B13	Audi, BMW, Mercedes, Porsche, VW
175	190	190	mGGA	B13	Audi, BMW, Mercedes, Porsche, VW



### FACTS EXTREME EFB

- ▶ Cycle-resistant starter battery – two models with 60/70Ah
- ▶ Twice the cycle resistance compared to standard batteries
- ▶ Nonwoven cover on the separator and special active mass composition
- ▶ Double lid cover for maximum leak protection and operational safety
- ▶ Top V3 vibration resistance rating pursuant to EN 50342-1
- ▶ Modern calcium technology – zero maintenance
- ▶ Product classification with UK number and EN/SAE cold crank power

### FACTS EXTREME AGM

- ▶ Valve-regulated nonwoven glass mat battery (VRLA) – three models with 70/80/92Ah
- ▶ Three times greater cycle resistance than standard batteries
- ▶ Leak-proof due to electrolyte bonding into a glass nonwoven (absorbent glass mat)
- ▶ Zero maintenance owing to recombination technology
- ▶ Very low internal resistance – maximum starting power
- ▶ Installation in a lateral position possible (max. 90° angle)
- ▶ Product classification with UK number and EN/SAE cold crank power

Battery type	Battery type UK	Box	Capacity AH 20h	Cold crank current A EN	Cold crank current A SAE	Layout	Terminal	Length (max.) mm
<b>Duracell Extreme AGM (AGM-battery for advanced stop/start-systems with BER)</b>								
DE 70 AGM	UK096 AGM	L3	70	720	760	0	1	278
DE 80 AGM	UK110 AGM	L4	80	800	850	0	1	315
DE 92 AGM	UK019 AGM	L5	92	850	900	0	1	354
<b>Duracell Extreme EFB (EFB-battery for simple stop/start-systems)</b>								
DE 60 EFB	UK027 EFB	L2	60	560	600	0	1	241
DE 70 EFB	UK096 EFB	L3	70	660	700	0	1	278

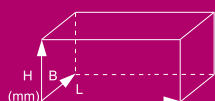
# DURACELL®

## EXTREME

### THE STOP-START SPECIALISTS

**EFB- and AGM- Technology for stop-start vehicles.** The Duracell Extreme is built for use in environmentally friendly cars which incorporate the stop-start function. The EFB (Enhanced Flooded Battery) is used primarily in medium, small cars and LCV that have only basic stop-start features. The AGM (Absorbent Glass Mat) battery is mainly used on medium and executive/luxury vehicles, where more complex stop-start functions together with brake energy recuperation are standard. The Duracell Extreme premium products meet the demands of leading car manufacturers, and with a range of five types from 60Ah to 92Ah are the first choice for fuel efficient cars.

**Duracell Extreme – the modern power supply for stop-start vehicles**



Width (max.) mm	Box height (max.) mm	Total height (max.) mm	Battery specifications	Base hold-down	Application
175	190	190	mG	B13	BMW, VW, Audi, Mercedes, Porsche, Taxis
175	190	190	mG	B13	BMW, VW, Audi, Mercedes, Porsche, Taxis
175	190	190	mG	B13	BMW, VW, Audi, Mercedes, Porsche, Taxis
175	190	190	mGGA	B13	Alfa Romeo, Audi, Citroën, Fiat, Peugeot, Toyota, VW
175	190	190	mGGA	B13	Alfa Romeo, Audi, Citroën, Fiat, Peugeot, Toyota, VW



### FACTS PROFESSIONAL HD

- ▶ EN 50342-1 rating E3/V3: Heavy Duty cycle- and vibration resistant
- ▶ Simple maintenance: externally visible electrolyte level markings, practical plugs
- ▶ Robust design with set bonding
- ▶ Envelope separator to protect against short circuits
- ▶ Product classification with UK number and EN/SAE cold cranking power
- ▶ Optimum price-performance ratio

### FACTS PROFESSIONAL SHD

- ▶ EN 50342-1 rating E4/V3: Super Heavy Duty extra cycle- and vibration resistant
- ▶ Maintenance-free: Hybrid technology ensures minimum water consumption
- ▶ Models from 110 to 225Ah
- ▶ Superior Safety: Central degassing, external ignition protection, safety plugs
- ▶ Improved leak protection for models 145/180/225Ah due to 4-chamber flat lid with an integral flame arrester
- ▶ Product classification with UK number and EN/SAE cold crank power

Battery type	Battery type UK	Box	Capacity AH 20h	Cold crank current A EN	Cold crank current A SAE	Layout	Terminal	Length (max.) mm
<b>Duracell Professional (Heavy Duty and Super Heavy Duty batteries for trucks and HCV)</b>								
DP 110	UK663	Compact	110	720	760	0	1	344
DP 110 L	UK664	Compact	110	720	760	1	1	344
DP 110 SHD	UK615 SHD	MAC 110	110	760	800	3	1	514
DP 135 SHD	UK630 SHD	MAC 110	135	900	950	3	1	514
DP 140	UK637	A	140	760	800	3	1	514
DP 145 SHD	UK637 SHD	A	145	800	850	3	1	514
DP 170 SHD	MAC140	MAC 140 SHD	170	1000	1050	3	1	514
DP 180	UK629	B	180	950	1000	3	1	514
DP 180 SHD	UK629 SHD	B	180	1000	1050	3	1	514
DP 225	UK632	C	225	1050	1100	3	1	517
DP 225 SHD	UK632 SHD	C	225	1150	1200	3	1	517



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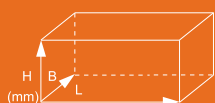
## PROFESSIONAL

### FOR THE HARDEST DEMANDS!

**Install Duracell Professional and the truck will reach its destination!**

In order to perform daily in trucks, buses, agricultural and construction machinery, batteries have to be made out of something special! The power source that is Duracell Professional – available as HD/Heavy Duty and SHD/Super Heavy Duty – will reliably start every engine in all conditions, together with providing sufficient energy to the onboard vehicle systems. The complete construction is based on absolute robustness. The SHD versions offer the highest safety features such as central venting and safety plugs. In addition, the 145/180/225Ah batteries feature the centrally vented 4-chamber flat lid, to prevent electrolyte leakage, which incorporates an integral flame arrester for additional security.

**Active safety: central degassing  
4-chamber flat lid – short-circuit  
protection feature**

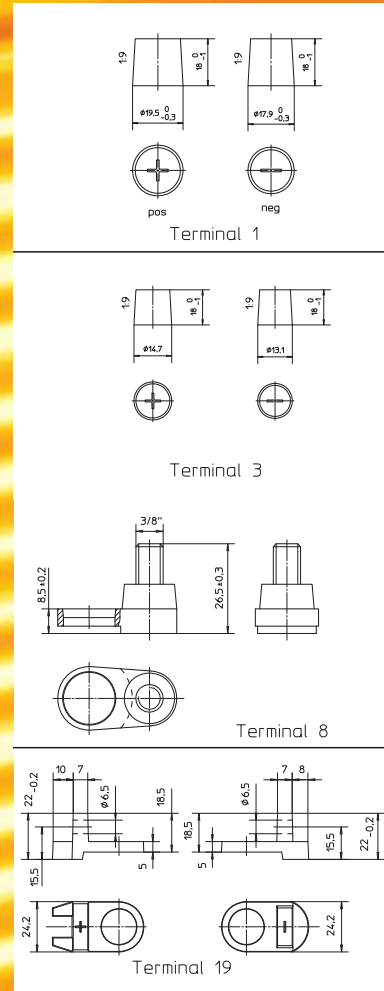


			Battery specifications	Base hold-down	Application
Width (max.) mm	Box height (max.) mm	Total height (max.) mm			
172	214	230	mG	B00	IHC, Massey Ferguson
172	214	230	mG	B00	IHC, McCormick
175	210	210	mGGARZS	B03	MAN, Mercedes, Roman, Robur
175	210	210	mGGARZS	B03	MAN, Mercedes, Roman
189	195	220	mG	B00/01	Steyr Trucks, MAN, Mercedes
189	195	220	mGGARZS	B00	Neoplan, MAN, Mercedes, Volvo, Scania, Steyr Trucks
218	210	210	mGGARZS	B03	MAN, Mercedes, Liaz
223	195	220	mG	B00	Steyr Trucks, MAN, Roman, Multicar
223	195	220	mGGARZS	B00	Neoplan, MAN, Mercedes, Volvo, Scania, Steyr Trucks
273	212	240	mG	B00	Steyr, MAN, Volvo Trucks
273	212	240	mGGARZS	B00	Neoplan, MAN, Mercedes, Volvo, Scania, Steyr Trucks

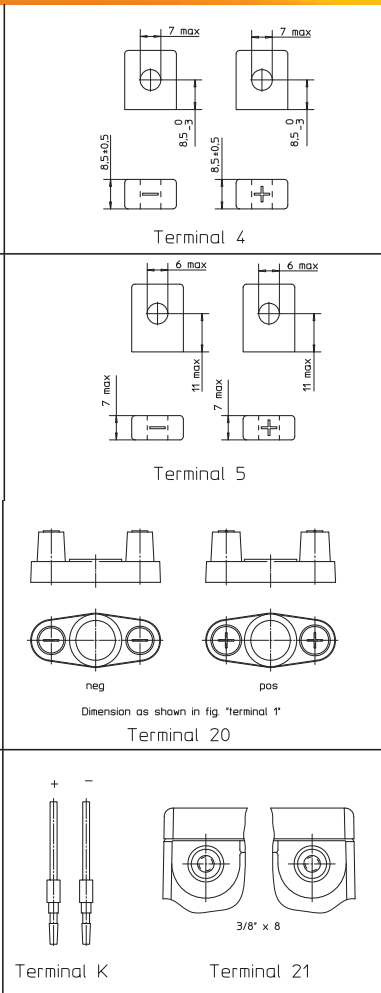
## Layout

	6 Volt	12 Volt
0		
1		
2		
3		
4		
5		
6		
9		
10		

## Terminals



# Base Hold-Downs



	without hold down		
B 00	3 notches		
B 01	3 notches	10.5	37° max 6.5 min 135° ± 0.2
B 03	3 notches	10.5	37° max 135° ± 0.2
B 04	3 notches	10.5	37° max 6.5 min 135° ± 0.2
B 05	3 notches B 01	10.5	28.7 ± 0.2
B 06		10.5	28.7 ± 0.2
B 07		11	28.7 ± 0.2 9 ± 0.5
B 09		11	28.7 ± 0.2 9 ± 0.5
B 11	3 notches	10.5	37° max 6.5 min 135° ± 0.2
B 12	3 notches	10.5	37° max 28.7 ± 0.2 37° max 6.5 min 135° ± 0.2
B 13	5 notches	10.5	37° max 6.5 min 135° ± 0.2
B 14	5 notches	10.5	37° max 6.5 min 135° ± 0.2

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## AUTOMOTIVE

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