



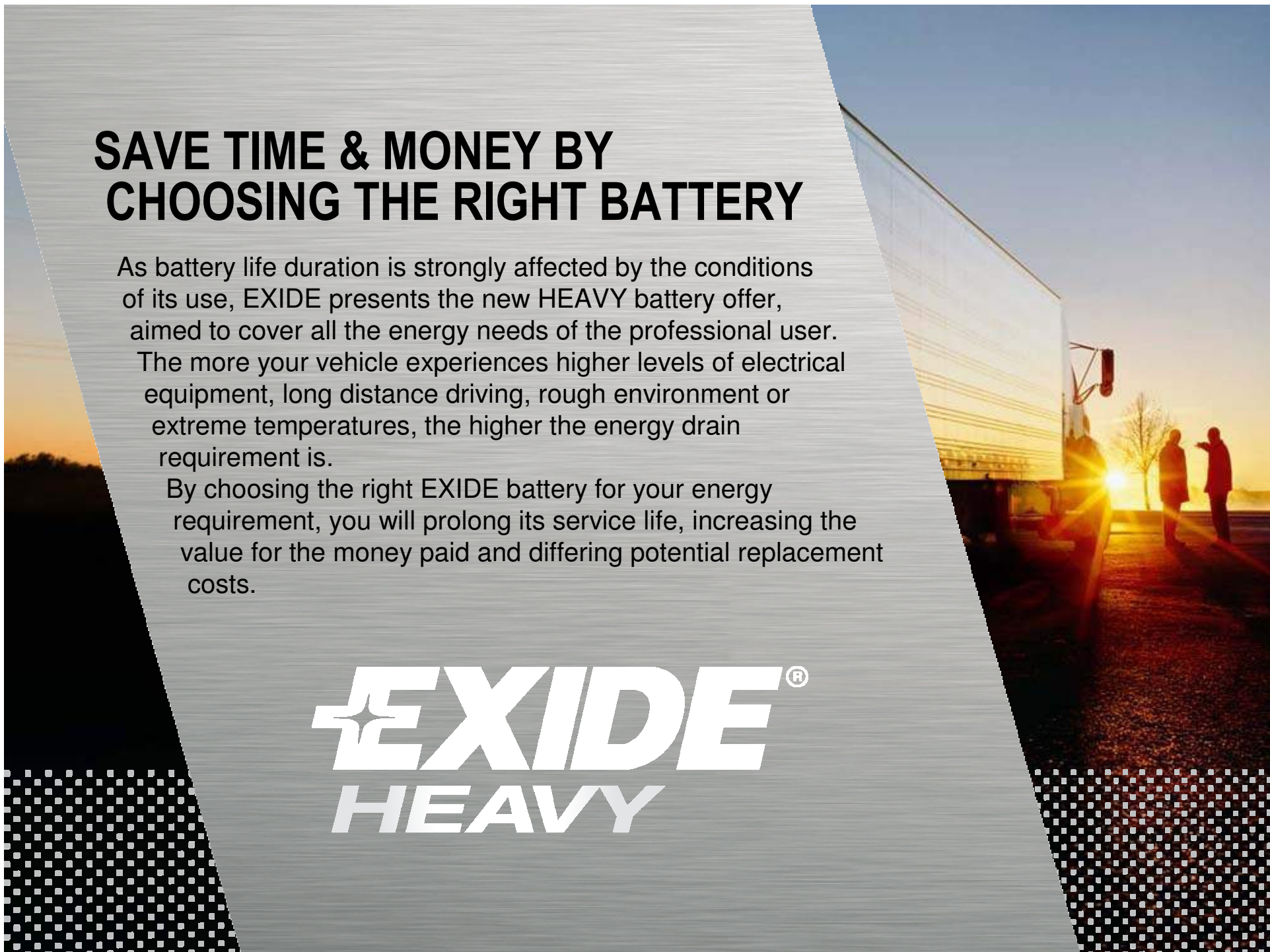
**EXIDE®**  
**HEAVY**

# SAVE TIME & MONEY BY CHOOSING THE RIGHT BATTERY

As battery life duration is strongly affected by the conditions of its use, EXIDE presents the new HEAVY battery offer, aimed to cover all the energy needs of the professional user. The more your vehicle experiences higher levels of electrical equipment, long distance driving, rough environment or extreme temperatures, the higher the energy drain requirement is.

By choosing the right EXIDE battery for your energy requirement, you will prolong its service life, increasing the value for the money paid and differing potential replacement costs.

**EXIDE**<sup>®</sup>  
**HEAVY**



# TYPICAL BATTERY LIFE DURATION

(AFFECTED BY ENERGY DEMAND)



## LEVEL OF VEHICLE ENERGY DEMAND

EXIDE OFFER		LOW	MEDIUM	HIGH
	EXPERT ENDURANCE	++	++	+
	EXPERT	++	+	-
	PROFESSIONAL POWER	+	+	-
	PROFESSIONAL	+	-	--

**+** Averaged duration (EUROBAT reports the average life duration for heavy batteries is 3 years in Europe).



# A BATTERY OFFER TAILORED TO FIT YOUR ENERGY NEEDS



ENDURANCE  
NEEDS



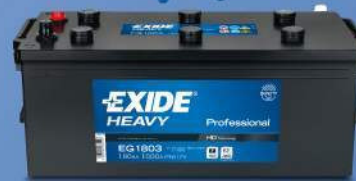
EXPERT ENDURANCE



EXPERT



PROFESSIONAL POWER



PROFESSIONAL



POWER  
NEEDS

+ ENDURANCE

+ ENDURANCE

+ ENDURANCE

+ POWER





# KEY FACTORS THAT DICTATE YOUR ENERGY NEEDS

**EXIDE**  
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## VEHICLE FACTORS



### POWER

By selecting the correct power level, unforeseen battery failure will be minimised.

EXIDE HEAVY offers a choice of 2 power levels:



#### SUPERIOR POWER

- Large engine size
- Electrical braking systems
- Extra electrical equipment demanding high current peaks
- Increased starting security by delivering superior power



#### MEDIUM POWER

- All standard cases



### EQUIPMENT

By selecting the correct equipment level, unexpected shortened battery duration will be prevented.

EXIDE HEAVY offers a choice of 4 equipment levels:



#### FULL EQUIPMENT

INTENSIVE use of:

- Lifter for heavy loads (tail-lift, platforms, cranes)
- Special electronic devices (navigator, tachometer, sensors, cameras)
- Cabin devices (comfort)
- Low emission equipments (AdBlue catalyts)



#### MEDIUM EQUIPMENT

- Lifter for medium loads
- Classic electronic devices
- Cabin accessories



#### SUPERIOR EQUIPMENT

FREQUENT use of the above described equipments



#### STANDARD EQUIPMENT

- All basic equipped vehicles



# KEY FACTORS THAT DICTATE YOUR ENERGY NEEDS

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## DRIVING FACTORS



### LONG DISTANCE

By selecting long distance feature, unforeseen battery failure will be minimised.

**EXIDE HEAVY suggests this choice in case of:**



- International transport
- Long highway journeys
- Intensive vehicle use (24h/24h)



### FREQUENT START

By selecting frequent start feature, unexpected shortened battery duration will be prevented.

**EXIDE HEAVY suggests this choice in case of:**



- Intensive deliveries (stop & start)
- Very short journeys
- Dense urban traffic



# KEY FACTORS THAT DICTATE YOUR ENERGY NEEDS

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## EXTERNAL FACTORS



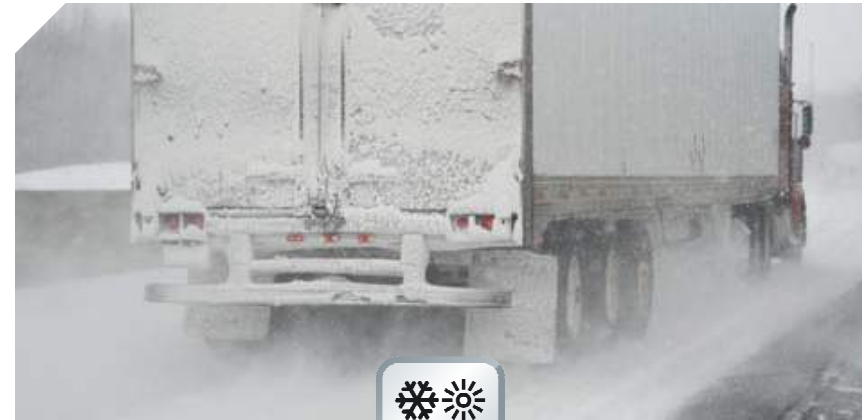
### HARD TRACK

By selecting hard track feature, unexpected shortened battery duration will be prevented.

**EXIDE HEAVY suggests this choice in case of:**



- Difficult uneven roads
- Country tracks
- Tilted driving (sloped surface)
- Agricultural or construction activities
- Extra long chassis



### EXTREME TEMPERATURES

By selecting extreme temperature feature, unforeseen battery failure will be minimised.

**EXIDE HEAVY suggests this choice in case of:**



- Driving through cold regions (below -10° C)
- Driving through hot regions (above 35° C)
- Frequent overnight parking out in the open
- Agricultural or construction activities



# EXIDE EXPERT ENDURANCE

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HEAVY



## Use



Standard engine cases

Intensive use of lifters for heavy loads (tail-lift, platforms, cranes), special electronics, cabin devices or low emission equipments

Stop & start deliveries, very short journeys and dense urban traffic

Difficult uneven roads, country tracks, tilted driving, agricultural & construction activities or extra long chassis

## Benefits



Quality level guaranteed by complying with “Original Spare Part” regulations

- Specifically recommended for Post-2000 parc under intensive use
- Extended product life in most demanding vehicle use conditions
- Resisting most rough cycling and vibration requirements
- Standard starting power
- Safe & Clean handling and storage thanks to spark & spill-proof cell plugs
- Reduced maintenance cell construction







## Use



Large engine size, electrical braking systems, extra equipment demanding high current peaks



Frequent use of lifters for heavy loads (tail-lift, platforms, cranes), special electronics, cabin devices or low emission equipments



Stop & start deliveries, very short journeys and dense urban traffic



Difficult uneven roads, country tracks, tilted driving, agricultural & construction activities or extra long chassis

## Benefits



Quality level guaranteed by complying with “Original Spare Part” regulations

- Recommended for Post-2000 parc under frequent use
- Long product life in most common vehicle use conditions
- Resisting most common cycling and vibration requirements
- Increased starting security compared with standard batteries
- Safe & Clean handling and storage thanks to spark & spill-proof cell plugs
- Low maintenance cell construction





## Use



Large engine size, electrical braking systems, extra equipment demanding high current peaks



Regular use of lifters (medium loads), classic electronics or cabin accessories



Long highway journeys, international transport and intensive vehicle use (24h/24h)



Driving through cold (-10° C) or hot (+35° C) regions, frequent overnight parking out in the open, agricultural & construction activities

## Benefits



Quality level compliant with “Part of Matching Quality” regulations

- Suitable for all parc under regular use
- Regular product life in most common vehicle use conditions
- Increased starting security compared with standard batteries
- Clean handling and storage thanks to spill-proof cell plugs
- Low maintenance cell construction





## Use



Standard engine cases



Basic equipped vehicles

## Benefits



Quality level compliant with “Part of Matching Quality” regulations

- Specially recommended for Pre-2000 parc under regular use
- Wide range of fitment options
- Standard starting power
- Low maintenance cell construction



# EXIDE ECONOMY

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## Use

Old vehicles with basic requirements

## Benefits

Value for money





# WHICH BATTERY BEST SUITS YOUR ENERGY NEEDS?



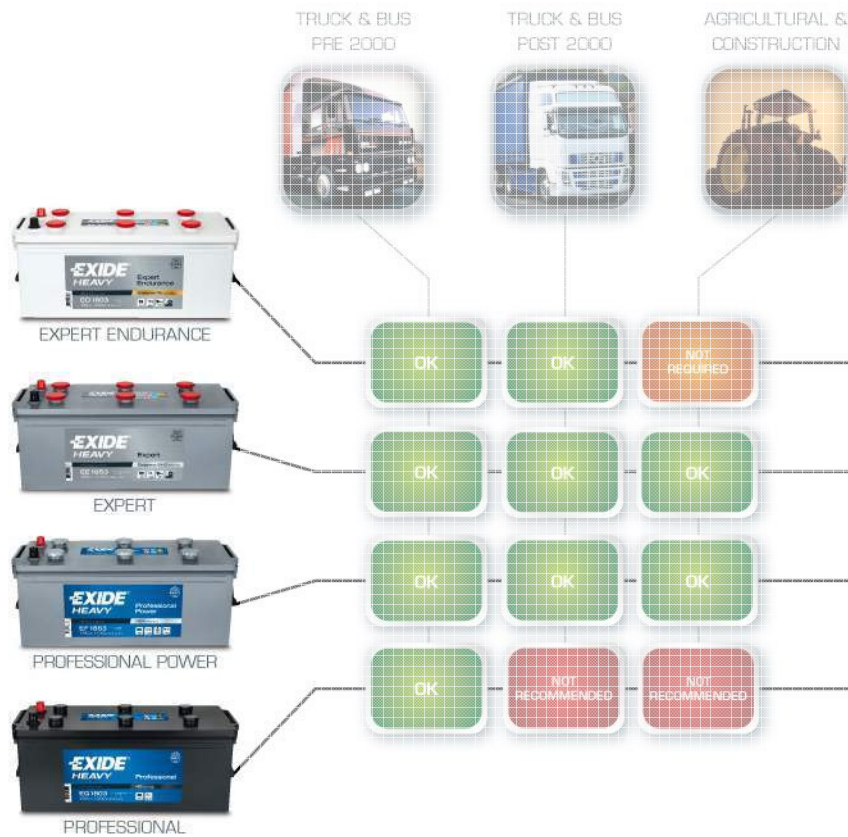
## 1 Select your vehicle



# WHICH BATTERY BEST SUITS YOUR ENERGY NEEDS?









## 2 Identify most important key factors



# OUR EXPERTISE IN TECHNOLOGY



	TECHNOLOGIES	ARE MADE BY...					PROVIDING...			AND QUALITY
	↓	PLATE SEPARATOR	PLATE ALLOY	PLATE THICKNESS	CELL BLOCKING	CELL PLUG	POWER (A)	ENDURANCE	HANDLING	↓
 EXPERT ENDURANCE	Glassmat/Sb	Glass material over Polyethylene envelope	Lead/Antimony (Sb)	Extra thick	Glue	Porous filter + PTFE membrane	Medium	400 cycles	Spark & Spill-proof	
 EXPERT	Glassmat/SHD	Glass material over Polyethylene envelope	Lead/Antimony/Calcium	Thick	Glue/Spacers	Porous filter + PTFE membrane	Superior	216 cycles	Spark & Spill-proof	
 PROFESSIONAL POWER	HDX	Polyethylene envelope	Lead/Antimony/Calcium	Standard	Glue	PTFE membrane	Superior	110 cycles	Spill-proof	
 PROFESSIONAL	HD	Polyethylene envelope	Lead/Antimony/Calcium	Standard	Glue	Standard	Medium	90 cycles	Standard	

According to EN50342

BER 1400/2002/EC



**ORIGINAL SPARE PARTS**

Spare parts strictly manufactured according to the specifications and technical standards provided by the vehicle manufacturer for their own parts.

BER 1400/2002/EC



**SPARE PARTS OF MATCHING QUALITY**

Spare parts manufactured using components from the same quality of the components used for parts supplied to vehicle manufacturers.





# OUR VEHICLE MANUFACTURER CUSTOMERS



Our battery technologies have been supplied for years to most first class commercial vehicle manufacturers. Examples of vehicle manufacturers currently equipped with EXIDE HEAVY batteries are:

## TRUCK & BUS



IRISBUS  
IVECO  
MITSUBISHI  
NISSAN  
RENAULT-VOLVO  
SCANIA

## AGRICULTURAL



CLAAS  
JOHN DEERE  
KOMATSU  
MASSEY FERGUSON  
NEW HOLLAND  
SAME

## CONSTRUCTION



BOBCAT  
CASE  
JCB

Most Popular HEAVY Types for Truck & Bus

EXPERT ENDURANCE	EXPERT
ED1803	EE1403
ED2303	EE1853
	EE2253

Most Popular HEAVY Types For Agricultural

EXPERT	PROFESSIONAL POWER	PROFESSIONAL
EE1853	EF1152	EG1102
	EF1420	EG1250
	EF1453	EG1353
	EF1853	EG1355
		EG1403
		EG1406
		EG1803

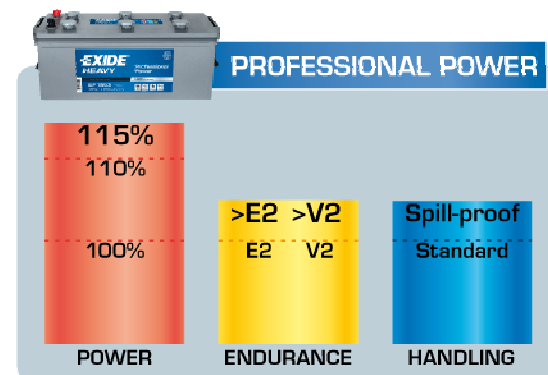
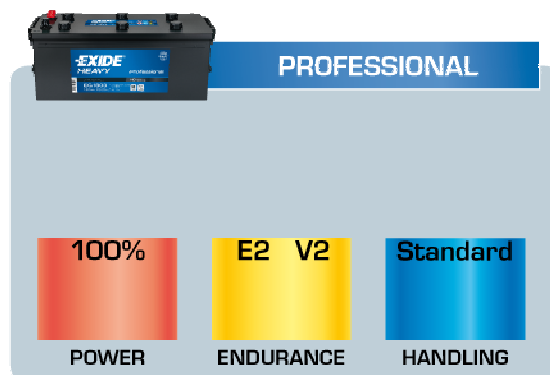
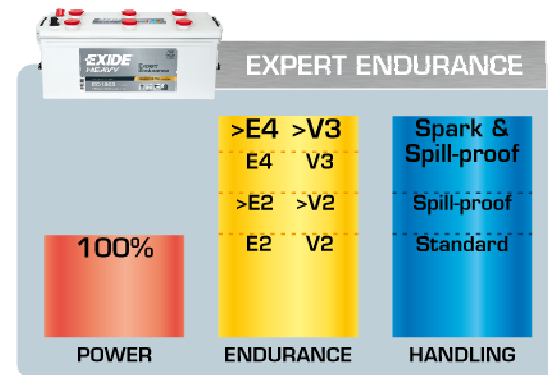
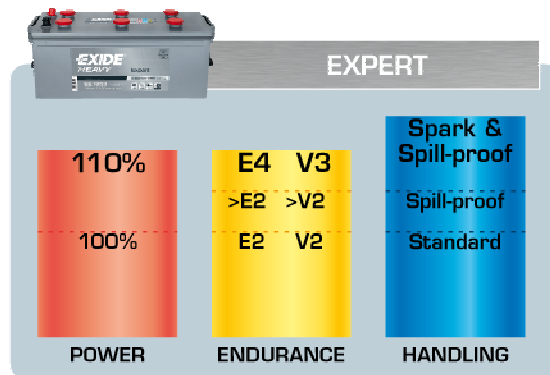
Most Popular HEAVY Types For Construction

EXPERT	PROFESSIONAL POWER	PROFESSIONAL
EE1853	EF1152	EG1102
EE2253	EF1420	EG1250
	EF1421	EG1251
	EF1853	EG1353
	EF2353	EG1403
		EG1803
		EG2103





# EXIDE HEAVY KEY PERFORMANCES



All levels referred to EN50342 as follows:

Endurance levels (E)	Vibration levels (V)
>E4: 400 cycles @ 50%	>V3: 40h @ 6g
E4: 216 cycles @ 50%	V3: 20h @ 6g
>E2: 110 cycles @ 50%	>V2: 10h @ 6g
E2: 90 cycles @ 50%	V2: 2h @ 6g



# TECHNICAL SPECIFICATIONS

**EXIDE**  
HEAVY

## Exide Expert Endurance



CODE	PERFORMANCES		DIMENSIONS			TECHNICAL CHARACTERISTICS		
	CAPACITY	CCA	L (mm)	W (mm)	H (mm)	POLARITY	HOLD DOWN	BOX
	Ah	A (EN)						
ED1353	135	700	513	189	223	3	B0	D04
ED1803	180	900	513	223	223	3	B0	D05
ED2303	230	1100	518	279	240	3	B0	D06

## Exide Expert



CODE	PERFORMANCES		DIMENSIONS			TECHNICAL CHARACTERISTICS		
	CAPACITY	CCA	L (mm)	W (mm)	H (mm)	POLARITY	HOLD DOWN	BOX
	Ah	A (EN)						
EE1403	140	760	513	189	223	3	B0	D04
EE1853	185	1100	513	223	223	3	B0	D05
EE2253	225	1150	518	279	240	3	B0	D06



# TECHNICAL SPECIFICATIONS

**EXIDE**<sup>®</sup>  
HEAVY

## Exide Professional Power



CODICE	CARATTERISTICHE ELETTRICHE		DIMENSIONI			CARATTERISTICHE TECNICHE		
	CAPACITA'	SPUNTO	L (mm)	L (mm)	H (mm)	POLO	ATTACCHI BASE	BOX
	Ah	A (EN)						
EF1257	125	1100	286	269	230	DIAG	B0	D07
EF2353	235	1450	518	279	240	SX	B0	D06



# TECHNICAL SPECIFICATIONS

**EXIDE**  
HEAVY

## Exide Professional



CODICE	CARATTERISTICHE ELETTRICHE		DIMENSIONI			CARATTERISTICHE TECNICHE		
	CAPACITA'	SPUNTO	L (mm)	L (mm)	H (mm)	POLO	ATTACCHI BASE	BOX
	Ah	A (EN)						
EG1100	110	750	349	175	235	DX	B0	D02
EG1101	110	750	349	175	235	SX	B0	D02
EG1102	110	750	349	175	235	DX	B1	D02
EG1250	125	760	349	175	290	DX	B0	D03
EG1402	140	900	508	178	205	DX	B1	ATM
EG1403	140	800	513	189	223	SX	B0	D04
EG1406	140	800	510	175	225	DX	B3	D08
EG1803	180	1000	513	223	223	SX	B0	D05
EG1806	180	1000	510	218	225	DX	B3	D09
EG2103	210	1200	518	279	240	SX	B0	DB9
EG2104	210	1200	518	279	240	DX	B0	D06
EG2253	225	1300	518	279	240	SX	B0	D06



# TECHNICAL SPECIFICATIONS

**EXIDE**<sup>®</sup>  
HEAVY

## Exide Economy

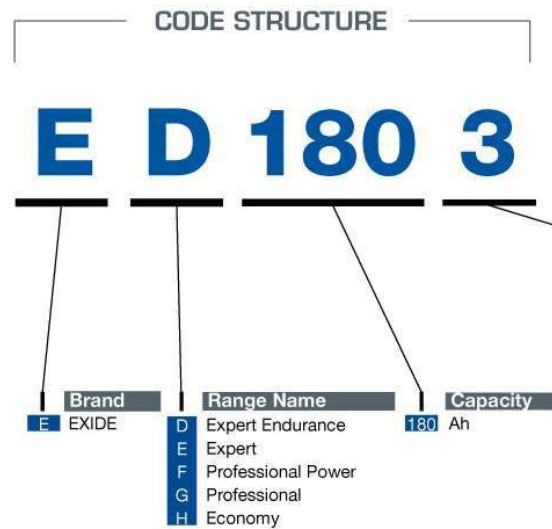


CODICE	CARATTERISTICHE ELETTRICHE		DIMENSIONI			CARATTERISTICHE TECNICHE		
	CAPACITA'	SPUNTO	L (mm)	L (mm)	H (mm)	POLO	ATTACCHI BASE	BOX
	Ah	A (EN)						
EH1203	120	680	513	189	223	SX	B0	D04
EH1206	120	680	510	175	225	DX	B3	D08
EH1553	155	900	513	223	223	SX	B0	D05
EH1556	155	900	510	218	225	DX	B3	D09





# « SHORT CODE » EXPLANATIONS



Battery Lay Out				
#	Polarity	Hold Down	Lay Out	Boxes
0	0	B0		D02, D03
1	1	B0		D02, D03
2	0	B1		ATM, D02 MT5
3	3	B0		D04, D05, D06, DB9
4	4	B0		D06
5	3	B3		DB8, DB9
6	4	B3		D08, D09
7	2	B0		D07
8	0	B3		D01
9	1	B3		D01
A	6	B0		D67, F21
B	9	B0		G31





**EXIDE<sup>®</sup>**  
**HEAVY**