

vital energy for a world on the move

**BS**

BS (British Standard) cells 158mm wide

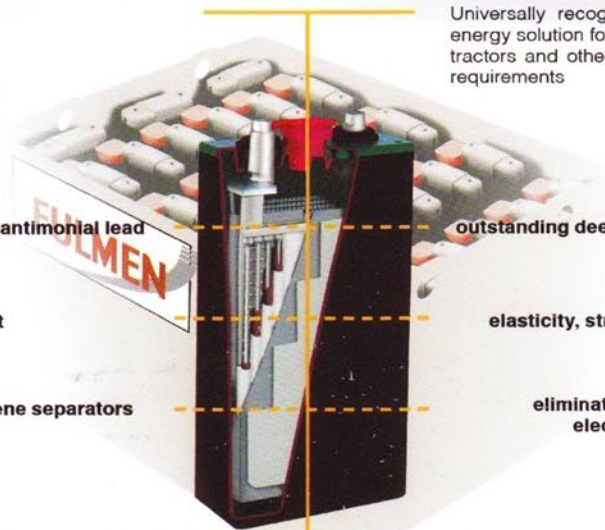
**DIN**

DIN (Continental) cells 198mm wide

# A new range of traction cells

CELL SELECTION TABLE	Application			Fast Charge <8hr
	Light	Medium	Heavy	
Standard	●	●	●	YES
Low Maintenance	●	●	●	YES
Super BS (SBS)	●	●	●	
Gel	●	●	●	
AGM	●	●	●	

The darker colour signifies greater suitability



Tubular spines of antimonial lead

Universally recognised as the superior, proven stored electrical energy solution for materials handling equipment, road vehicles, tow tractors and other electric vehicles with high energy / deep cycle requirements

outstanding deep cycling capability

Polyester gauntlet

elasticity, strength & durability

Porous polyethylene separators

eliminates shorting & aids electrolyte circulation

Manufactured to exacting ISO 9001 quality standards and DIN/EN 60 254-2 (IEC 254-2) specifications, with the highest standards of design, materials and workmanship.

These cells are designed to produce more capacity for longer run times and battery life. This is achieved through less exposed grid metal, more active material surface area utilisation and more available electrolyte space.

Products designed to minimise their environmental effects in production, usage and disposal.

The benefits to you are in the form of high performance, greater reliability, increased productivity, less downtime and longer battery life.

## Range Tables for Fulmen DIN cells

DIN Cells 198mm width

		Ah (C <sub>20</sub> ) at 30°C	Length (mm)	Weight (approx. kg)
<b>Type 60 Ah</b>				
Height (h1): 333 mm Height (h2): 333 mm	2 EPzS	120 SL	47	8.3
	3 EPzS	180 SL	65	11.8
	4 EPzS	240 SL	83	15.4
	5 EPzS	300 SL	101	18.8
	6 EPzS	360 SL	119	22.2
	7 EPzS	420 SL	137	25.7
	8 EPzS	480 SL	155	29.3
	<b>Type 80 Ah</b>			
Height (h1): 396 mm Height (h2): 426 mm	2 EPzS	160 SL	47	10
	3 EPzS	240 SL	65	14.3
	4 EPzS	320 SL	83	18.4
	5 EPzS	400 SL	101	22.9
	6 EPzS	480 SL	119	27
	7 EPzS	560 SL	137	31.3
	8 EPzS	640 SL	155	35.5
	<b>Type 90 Ah</b>			
Height (h1): 463 mm Height (h2): 493 mm	2 EPzS	180 SL	47	12
	3 EPzS	270 SL	65	17
	4 EPzS	360 SL	83	21.6
	5 EPzS	450 SL	101	26.3
	6 EPzS	540 SL	119	31.1
	7 EPzS	630 SL	137	36.1
	8 EPzS	720 SL	155	41

		Ah (C <sub>20</sub> ) at 30°C	Length (mm)	Weight (approx. kg)
<b>Type 105 Ah</b>				
Height (h1): 511 mm Height (h2): 541 mm	2 EPzS	210 SL	47	12.8
	3 EPzS	315 SL	65	18.5
	4 EPzS	420 SL	83	23.9
	5 EPzS	525 SL	101	29.4
	6 EPzS	630 SL	119	34.9
	7 EPzS	735 SL	137	40.6
	8 EPzS	840 SL	155	46.1
	<b>Type 115 Ah</b>			
Height (h1): 542 mm Height (h2): 572 mm	2 EPzS	230 SL	47	14.3
	3 EPzS	345 SL	65	20.3
	4 EPzS	460 SL	83	26
	5 EPzS	575 SL	101	31.8
	6 EPzS	690 SL	119	37.9
	7 EPzS	805 SL	137	43.8
	8 EPzS	920 SL	155	49.8
	<b>Type 125 Ah</b>			
Height (h1): 573 mm Height (h2): 603 mm	2 EPzS	250 SL	47	14.7
	3 EPzS	375 SL	65	20.8
	4 EPzS	500 SL	83	26.8
	5 EPzS	625 SL	101	33
	6 EPzS	750 SL	119	39.3
	7 EPzS	875 SL	137	45.5
	8 EPzS	1000 SL	155	51.8

		Ah (C <sub>20</sub> ) at 30°C	Length (mm)	Weight (approx. kg)
<b>Type 140 Ah</b>				
Height (h1): 683 mm Height (h2): 713 mm	2 EPzS	280 SL	47	17.2
	3 EPzS	420 SL	65	25.4
	4 EPzS	560 SL	83	32.9
	5 EPzS	700 SL	101	39.9
	6 EPzS	840 SL	119	47.2
	7 EPzS	980 SL	137	54.8
	8 EPzS	1120 SL	155	62.3
	<b>Type 155 Ah</b>			
Height (h1): 713 mm Height (h2): 743 mm	2 EPzS	310 SL	47	18
	3 EPzS	465 SL	65	25.8
	4 EPzS	620 SL	83	33.6
	5 EPzS	775 SL	101	41
	6 EPzS	930 SL	119	49.1
	7 EPzS	1085 SL	137	56.9
	8 EPzS	1240 SL	155	64.8

### NOMENCLATURE



Number of plates

EPzS for DIN

Cell Capacity (Ah)

# Range Tables for Fulmen BS and SBS cells

BS Cells 158mm width

	Ah (C <sub>20</sub> ) at 30°C	Length (mm)	Weight (approx. kg)
<b>Type 42 Ah</b>			
Height (h1): 324 mm Height (h2): 357 mm	5 EPzB	210 SL	94
	6 EPzB	252 SL	110
	7 EPzB	294 SL	126
	-	-	-
	-	-	-
	-	-	-
	-	-	-
<b>Type 55 Ah</b>			
Height (h1): 402 mm Height (h2): 435 mm	2 EPzB/**	110 SL	46
	3 EPzB/**	165 SL	62
	4 EPzB	220 SL	78
	5 EPzB	275 SL	94
	6 EPzB	330 SL	110
	7 EPzB	385 SL	126
	8 EPzB	440 SL	142
<b>Type 65 Ah</b>			
Height (h1): 454 mm Height (h2): 487 mm	2 EPzB/**	130 SL	46
	3 EPzB/**	195 SL	62
	4 EPzB	260 SL	78
	5 EPzB	325 SL	94
	6 EPzB	390 SL	110
	7 EPzB	455 SL	126
	8 EPzB	520 SL	142

	Ah (C <sub>20</sub> ) at 30°C	Length (mm)	Weight (approx. kg)
<b>Type 75 Ah</b>			
Height (h1): 514, 5 mm Height (h2): 547, 5 mm	2 EPzB/**	150 SL	46
	3 EPzB/**	225 SL	62
	4 EPzB	300 SL	78
	5 EPzB	375 SL	94
	6 EPzB	450 SL	110
	7 EPzB	525 SL	126
	8 EPzB	600 SL	142
<b>Type 80 Ah</b>			
Height (h1): 514, 5 mm Height (h2): 547, 5 mm	2 EPzB/**	160 SL	46
	3 EPzB/**	240 SL	62
	4 EPzB	320 SL	78
	5 EPzB	400 SL	94
	6 EPzB	480 SL	110
	7 EPzB	560 SL	126
	8 EPzB	640 SL	142
<b>Type 86 Ah</b>			
Height (h1): 568 mm Height (h2): 601 mm	2 EPzB/**	172 SL	46
	3 EPzB/**	258 SL	62
	4 EPzB	344 SL	78
	5 EPzB	430 SL	94
	6 EPzB	516 SL	110
	7 EPzB	602 SL	126
	8 EPzB	688 SL	142

	Ah (C <sub>20</sub> ) at 30°C	Length (mm)	Weight (approx. kg)
<b>Type 100 Ah</b>			
Height (h1): 601 mm Height (h2): 634 mm	2 EPzB/**	200 SL	46
	3 EPzB/**	300 SL	62
	4 EPzB	400 SL	78
	5 EPzB	500 SL	94
	6 EPzB	600 SL	110
	7 EPzB	700 SL	126
	8 EPzB	800 SL	142
<b>Type 108 Ah</b>			
Height (h1): 687 mm Height (h2): 720 mm	5 EPzB	540 SL	94
	7 EPzB	756 SL	126
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

## NOMENCLATURE



# Range Tables for Fulmen Gold

SBS Cells

	Ah (C <sub>20</sub> ) at 30°C	Length (mm)	Weight (approx. kg)
<b>Type 115 Ah</b>			
Height (h1): 573 mm Height (h2): 603 mm	2 EpzBS	230 SX	47
	3 EpzBS	345 SX	65
	4 EpzBS	460 SX	83
	5 EpzBS	575 SX	101
	6 EpzBS	690 SX	119
	7 EpzBS	805 SX	137
	8 EpzBS	920 SX	155
<b>Type 140 Ah</b>			
Height (h1): 713 mm Height (h2): 743 mm	2 EpzBS	280 SX	47
	3 EpzBS	420 SX	65
	4 EpzBS	560 SX	83
	5 EpzBS	700 SX	101
	6 EpzBS	840 SX	119
	7 EpzBS	980 SX	137
	8 EpzBS	1120 SX	155

Charging current	Charging profile: IwaPB Battery capacity (Ah) C5	
	12 until 14 hours	7.5 until 8 hours
15	150	188
20	189	249
25	250	304
30	305	360
35	361	416
40	417	471
45	472	527
50	528	582
55	583	638
60	639	693
65	694	749
70	750	804
75	805	860
80	861	916
85	917	971
90	972	1027
95	1028	1082
100	1083	1166
110		801
120		881
130		961
140		1039
150		1116