


# TECHNICAL DATA SHEET



Type no.	680 89	
Article no.	010680890101	
Standards	DIN EN 50342-1, 50342-4	
Application	Starter battery	
<b>Electrical data</b>		
Rated voltage	12V	
Rated capacity	180 Ah (K20)	
Cold start current	950 A (EN)	
<b>Dimensions and weights</b>		
Box	BMAC154	
Length max.	510mm	
Width max.	216mm	
Box height max.	205mm	
Total height max.	225mm	
Battery weight	Ca. 46,0 kg (+/- 5 %)	
Electrolyte density	Approx. 1,28 kg/l	
Electrolyte	Diluted sulphuric acid	
Items/pallet	21	
Pallet ID	Euro pallet	
Items per layer	7	
		
<b>Features</b>		
Base hold-down	B03	
Layout	4	
Terminal	1	
Separator	PE bag separator	
Degassing	Battery with central degassing	
Flame arrester	Not integrated	
Performance identification	W3 - C2 - V2 - E1	
<b>Maintenance 1)</b>		
Water consumption	W3	
Refill water	Distilled or demineralised (DIN 43530)	
Self-discharge	Approx. 5 % per month	
Charging current	Approx. 1/10 of the rated capacity	
Charging voltage 2)	max. 14,4 V	

1) All the listed values relate to room temperature +25° C

2) Recommendation with an external, voltage-regulated charge. Attention: Temperature compensation in case of deviation!

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