

TECHNICAL DATA

BASIC DATA

Rated voltage	12	V
20hr capacity at end voltage 1,75V/cell at 25°C	85	Ah
Internal resistance (fully charged battery) at 25°C	9,6	mΩ

DIMENSIONS

Length	260(±1)	mm
Width	168(±1)	mm
Height	207(±1)	mm
(Height with terminals)	214(±1)	mm
Weight	24,0	kg

TERMINALS

INSERT TERMINAL	M8	-
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OPERATION TEMPERATURE RANGE

Storage	-15°C to +40°C
Charge	-15°C to +40°C
Discharge	-15°C to +50°C

STORAGE

Selfdischarge after 3 months at 20°C	6	%
Selfdischarge after 6 months at 20°C	15	%
Selfdischarge after 12 months at 20°C	37	%

CASE MATERIAL

Standard	ABS (UL94:HB)
Flame retardant	ABS (UL94:V0)

CHARGE VOLTAGE

Float charge at 25°C	13,65 V ± 0,18 V
Cycle charge at 25°C	14,70 V ± 0,30 V

CHARGE CURRENT

Recommend	8,5	A
Maximum	17,0	A

MAX. DISCHARGE CURRENT

5 sec.	710	A
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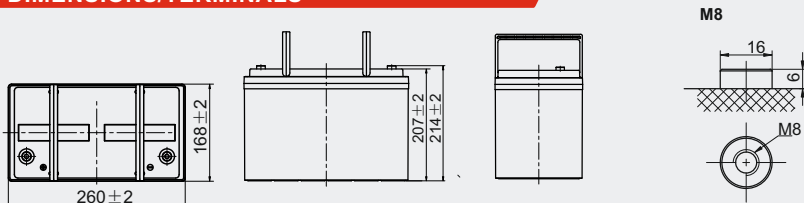
DESIGNED LIFE

Bpower Designed life at 25°C	up to 8	years
At 20°C according to Eurobat - General Purpose group	10 - 12	years

CYCLE LIFE

At 100% D.O.D.	300	cycles
At 50% D.O.D.	700	cycles

DIMENSIONS/TERMINALS



PHOTO



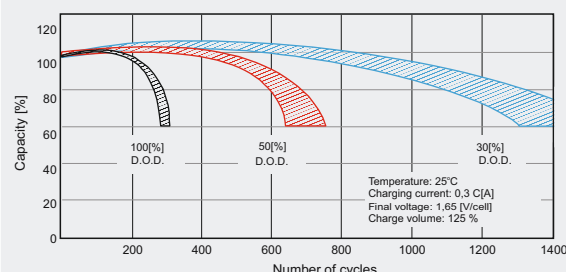
APPLICATIONS

- wheelchair
- cleaning machines
- boats
- photovoltaic systems
- mobile devices
- devices powered by an electric motor
- devices with high cyclical work

SAFETY



CYCLIC LIFE



DISCHARGE CHARACTERISTICS

• Constant current (Current [A], 25 [°C])

F.V. V/cell	Discharge time									
	30 min	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
1,85	78,2	48,4	35,1	29,5	21,6	17,0	14,4	9,77	7,95	4,30
1,80	85,1	50,2	36,2	30,5	23,5	18,1	15,2	10,3	8,41	4,46
1,75	86,8	52,6	38,2	32,0	24,0	18,5	15,4	10,4	8,50	4,50
1,70	88,6	53,7	38,9	32,7	24,4	18,8	15,7	10,5	8,58	4,54
1,60	91,2	55,2	40,0	33,7	24,9	19,3	16,2	10,8	8,75	4,65

• Constant power (Power [W/cell], 25 [°C])

F.V. V/cell	Discharge time									
	30 min	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
1,85	149,3	93,7	68,0	57,3	42,3	33,3	28,5	19,4	15,8	8,60
1,80	161,3	96,5	70,0	59,0	45,7	35,5	29,7	20,3	16,6	8,80
1,75	163,3	100,8	73,3	61,8	46,5	36,0	30,2	20,3	16,7	8,90
1,70	165,3	102,2	74,4	62,8	47,2	36,4	30,6	20,7	16,9	9,00
1,60	167,1	103,9	75,7	64,0	47,6	37,1	31,5	21,2	17,2	9,20

F.V. - Final Voltage