

TECHNICAL DATA

BASIC DATA

Rated voltage	12	V
20hr capacity at end voltage 1,75V/cell at 25°C	35	Ah
Internal resistance (fully charged battery) at 25°C	11	mΩ

DIMENSIONS

Length	197(±1)	mm
Width	131(±1)	mm
Height	159(±1)	mm
(Height with terminals)	168(±1)	mm
Weight	10,50	kg

TERMINALS

INSERT TERMINAL	M5	-
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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 (UL.94: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

Recommended	3,4	A
Maximum	10,5	A

MAX. DISCHARGE CURRENT ANI

5 sec.	510	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.	600	cycles

PHOTO



APPLICATIONS

- Uninterruptible Power Supplies (UPS)
- Telecommunication PABX
- Cash registers and fiscal printers
- Emergency lighting systems
- Emergency and fire systems
- Measure and mobile equipment
- Lawn mowers and electric bikes
- Toys

SAFETY



DISCHARGE CHARACTERISTICS

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

F.V. V/cell	Discharge time											
	5 min	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h	
1,85	95,6	74,8	56,7	33,5	17,8	8,85	7,95	5,98	5,41	2,91	1,48	
1,80	107	78,7	61,2	35,6	19,9	10,1	8,24	6,15	5,65	3,08	1,60	
1,75	117	81,2	64,6	37,5	20,2	10,9	8,50	6,24	5,74	3,23	1,70	
1,70	124	82,5	66,4	38,2	20,5	11,4	8,55	6,31	5,78	3,25	1,71	
1,65	128	83,9	67,6	39,2	21,0	12,0	8,61	6,40	5,85	3,27	1,73	
1,60	130	84,3	67,9	39,6	21,2	12,2	8,64	6,43	5,88	3,28	1,73	

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

F.V. V/cell	Discharge time											
	5 min	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h	
1,85	172	130	107	65,8	36,5	20,6	11,8	10,0	9,02	5,57	2,90	
1,80	187	143	110	70,4	39,4	21,3	13,0	10,8	9,18	5,65	3,00	
1,75	196	150	113	72,6	41,2	21,7	13,9	11,3	9,31	5,69	3,08	
1,70	203	152	116	74,4	41,7	22,0	14,3	11,6	9,36	5,72	3,11	
1,65	213	155	120	75,4	42,4	22,4	14,9	12,1	9,42	5,77	3,16	
1,60	217	156	122	75,9	42,7	22,5	15,1	12,2	9,44	5,79	3,18	

F.V. - Final Voltage

