

#### TECHNICAL DATA

##### BASIC DATA

Rated voltage	12	V
20hr capacity at end voltage 1,75V/cell at 25°C	36	Ah
Internal resistance (fully charged battery at 25°C)	8	mΩ

##### DIMENSIONS

Length	196(±1)	mm
Width	130(±1)	mm
Height	158(±1)	mm
(Height with terminals)	169(±1)	mm
Weight	10,70	kg

##### TERMINALS

INSERT TERMINAL	M6	-
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##### OPERATION TEMPERATURE RANGE

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

##### STORAGE

Selfdischarge after 3 months at 20°C	10	%
Selfdischarge after 6 months at 20°C	20	%
Selfdischarge after 12 months at 20°C	40	%

##### CASE MATERIAL

Standard	ABS (UL 94:HB)
Flame retardant	ABS (UL94:V0)

##### CHARGE VOLTAGE

Float charge at 25°C	13,50V ± 0,30 V
Cycle charge at 25°C	14,40 V ± 0,60 V

##### CHARGE CURRENT

Recommended	3,6	A
Maximum	10,8	A

##### MAX. DISCHARGE CURRENT

5 sec.	540	A
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##### DESIGNED LIFE

Bpower designed life at 25°C	do 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

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

#### SAFETY



#### DISCHARGE CHARACTERISTICS

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

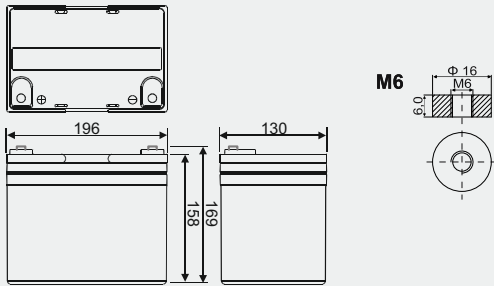
F.V. V/cell	Discharge time										
	5 min	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h
1,85	93,3	69,0	60,8	37,3	20,6	11,7	8,89	7,38	6,27	3,52	1,81
1,80	104	74,3	63,7	38,9	21,7	12,3	9,21	7,52	6,38	3,59	1,88
1,75	115	79,4	64,9	39,8	22,6	12,8	9,42	7,59	6,43	3,64	1,93
1,70	124	84,2	66,0	40,6	23,4	13,2	9,61	7,64	6,48	3,68	1,96
1,65	132	89,4	66,9	41,4	24,1	13,5	9,75	7,69	6,52	3,71	1,99
1,60	139	93,9	67,6	42,1	24,5	13,7	9,83	7,73	6,55	3,73	1,99

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

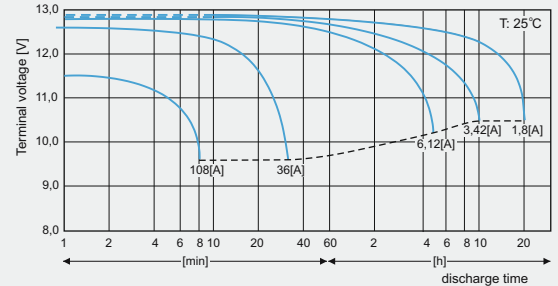
F.V. V/cell	Discharge time										
	5 min	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h
1,85	175	134	117	73,7	44,2	24,3	18,5	15,0	12,3	7,12	3,63
1,80	188	142	123	76,2	45,7	25,5	19,3	15,3	12,5	7,25	3,75
1,75	203	150	127	77,7	46,7	26,3	20,0	15,5	12,7	7,37	3,83
1,70	215	158	131	79,0	47,5	27,0	20,5	15,7	12,9	7,48	3,92
1,65	226	167	136	80,5	48,2	27,5	20,8	15,9	13,0	7,67	3,98
1,60	235	174	139	81,8	48,7	27,8	21,0	16,0	13,1	7,75	4,03

F.V. - Final Voltage

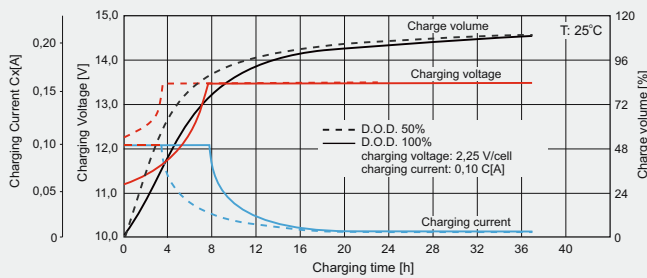
#### DIMENSIONS/TERMINALS



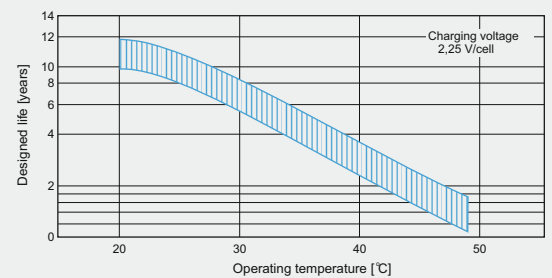
#### DISCHARGE CHARACTERISTICS



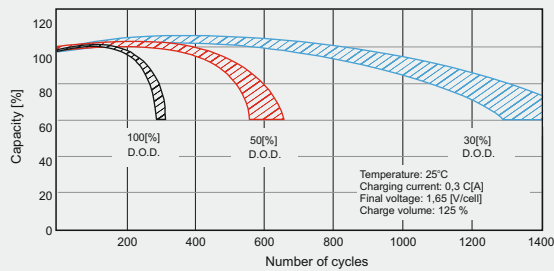
#### CHARGE CHARACTERISTICS



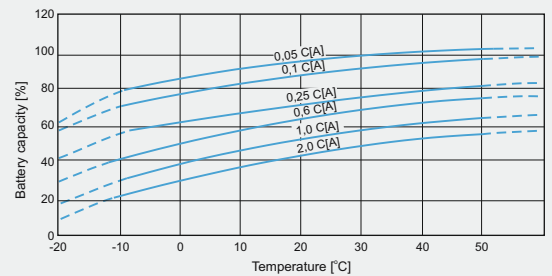
#### FLOAT LIFE



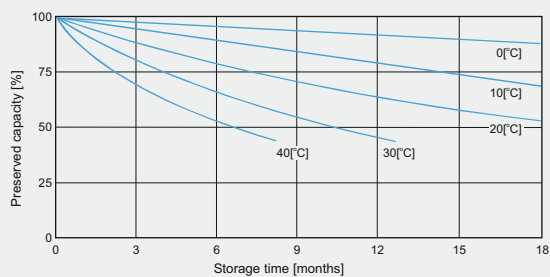
#### CYCLIC LIFE



#### CAPACITY VS. TEMPERATURE



#### SELFDISCHARGE CHARACTERISTICS



#### ENVIROMENTAL INFORMATION

EXPLOITED BATTERIES ARE CONSIDERED AS HAZARDOUS WASTE. THESE WASTES DUE TO THEIR ORIGIN, CHEMICAL COMPOSITION (THEY CONTAINS HEAVY METALS LIKE LEAD AND OTHER TOXIC SUBSTATIONS) AND OTHER FEATURES MAY BE DANGEROUS FOR ENVIRONMENT AND HUMAN OR ANIMAL HEALTH LIFE.