

TECHNICAL DATA**BASIC DATA**

Rated voltage	12	V
20hr capacity at end voltage 1,75V/cell at 25°C	26	Ah
Internal resistance (fully charged battery) at 25°C	9,50	mΩ

DIMENSIONS

Length	166(±1)	mm
Width	175(±1)	mm
Height	125(±1)	mm
(Height with terminals)	125 ±1)	mm
Weight	9,40	kg

TERMINALS

INSERT TERMINAL	M5	-
-----------------	----	---

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	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

Recommend	2,6	A
Maximum	7,80	A

MAX. DISCHARGE CURRENT

5 sec.	390	A
--------	-----	---

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

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 (Current [A], 25 [°C])**

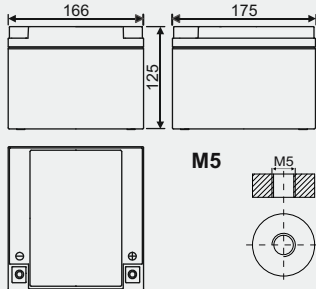
F.V. V/cell	Discharge time										
	5 min	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h
1,85	78,9	55,6	40,8	21,4	15,3	9,34	6,45	5,48	4,77	2,55	1,29
1,80	92,9	62,1	46,4	23,8	16,1	9,72	6,63	5,61	4,86	2,61	1,34
1,75	103	64,2	49,8	25,2	16,5	9,87	6,72	5,69	4,93	2,65	1,36
1,70	109	68,2	52,6	26,5	16,9	10,0	6,83	5,76	5,00	2,69	1,38
1,65	113	72,3	54,9	27,8	17,3	10,2	6,92	5,84	5,05	2,74	1,40
1,60	115	75,7	56,2	28,8	17,5	10,3	6,99	5,91	5,08	2,77	1,43

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

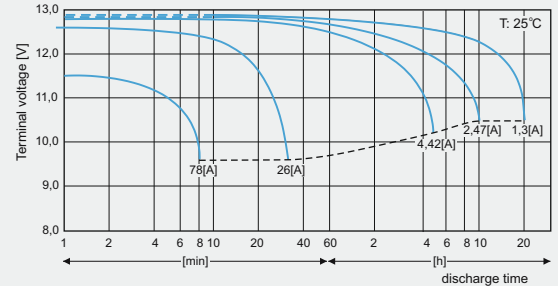
F.V. V/cell	Discharge time										
	5 min	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h
1,85	147	108	78,7	42,3	30,2	19,2	12,8	10,3	8,75	5,42	2,62
1,80	161	114	84,0	45,3	31,7	19,8	13,2	10,5	8,90	5,52	2,69
1,75	173	119	88,2	47,2	32,4	20,2	13,4	10,7	8,98	5,58	2,74
1,70	185	125	92,2	48,7	32,8	20,7	13,6	10,8	9,07	5,66	2,78
1,65	196	131	96,0	50,3	33,5	21,0	13,7	10,9	9,15	5,72	2,82
1,60	208	135	99,5	51,3	33,8	21,2	13,8	11,0	9,37	5,75	2,83

F.V. - Final Voltage

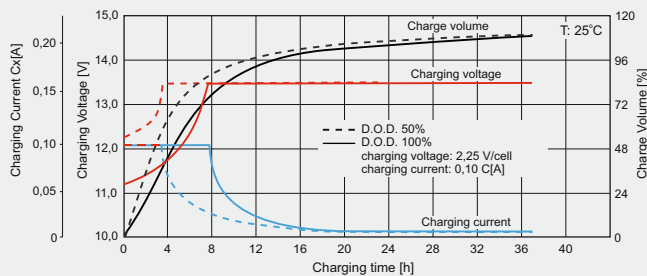
DIMENSIONS/TERMINALS



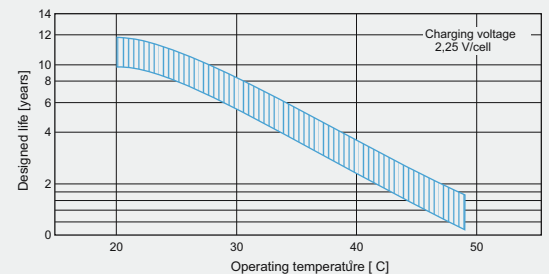
DISCHARGE CHARACTERISTICS



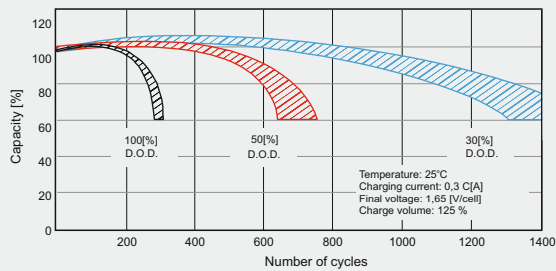
CHARGE CHARACTERISTICS



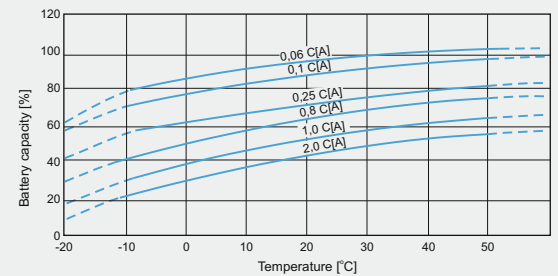
FLOAT LIFE



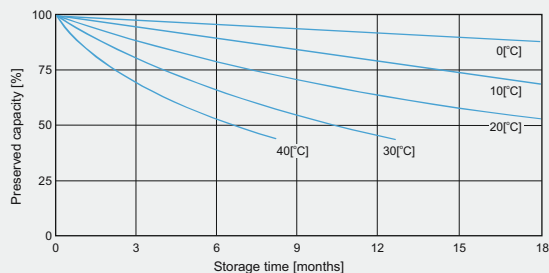
CYCLIC LIFE



CAPACITY VS. TEMPERATURE



SELFDISCHARGE CHARACTERISTICS



ENVIROMENTAL INFORMATION

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