

TECHNICAL DATA

BASIC DATA

Rated voltage	12	V
20hr capacity at end voltage 1,75V/cell at 25°C	80	Ah
Internal resistance (fully charged battery) at 25°C	5,0	mΩ

DIMENSIONS

Length	259(±1)	mm
Width	168(±1)	mm
Height	206(±1)	mm
(Height with terminals)	211(±1)	mm
Weight	24,5	kg

TERMINALS

INSERT TERMINAL	M6	-
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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

Recommend	8,0	A
Maximum	24,0	A

MAX. DISCHARGE CURRENT

5 sec.	960	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.	250	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])

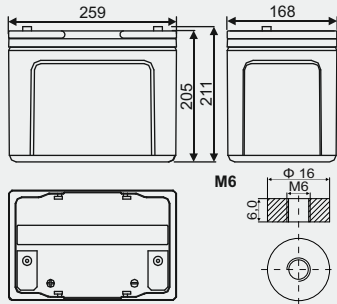
F.V. V/cell	Discharge time											
	5 min	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h	
1,85	174	110	88,7	61,9	37,8	19,8	15,5	12,6	11,6	7,38	3,82	
1,80	210	140	107	71,1	40,7	22,0	17,1	13,6	12,3	7,47	3,91	
1,75	240	164	122	77,8	42,4	23,4	18,0	14,4	12,8	7,54	4,00	
1,70	267	182	135	82,8	43,9	24,5	18,9	15,0	13,1	7,59	4,05	
1,65	286	195	142	85,5	45,0	25,3	19,6	15,6	13,5	7,65	4,08	
1,60	298	203	147	87,2	45,8	25,8	20,0	15,9	13,8	7,69	4,10	

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

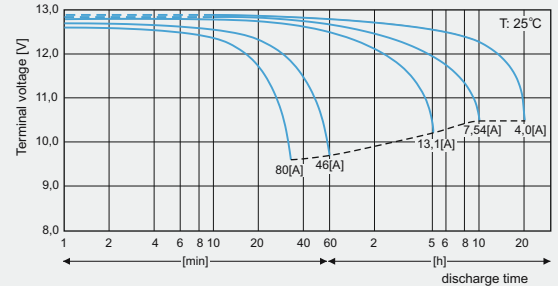
F.V. V/cell	Discharge time											
	5 min	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h	
1,85	399	272	174	136	79,2	46,3	33,3	27,2	24,3	14,7	7,69	
1,80	420	288	221	146	83,6	48,8	35,1	28,2	24,8	14,9	7,81	
1,75	481	329	235	152	86,0	50,3	36,1	29,1	25,2	15,0	7,91	
1,70	511	350	269	156	88,0	51,6	36,9	29,7	25,5	15,2	7,99	
1,65	541	370	281	159	89,5	52,6	37,5	30,2	25,8	15,3	8,07	
1,60	556	380	288	162	90,5	53,2	38,0	30,6	26,0	15,3	8,11	

F.V. - Final Voltage

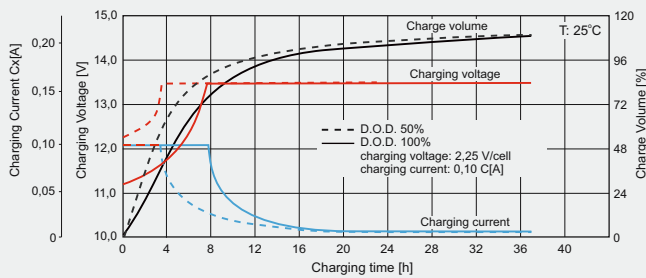
DIMENSIONS/TERMINALS



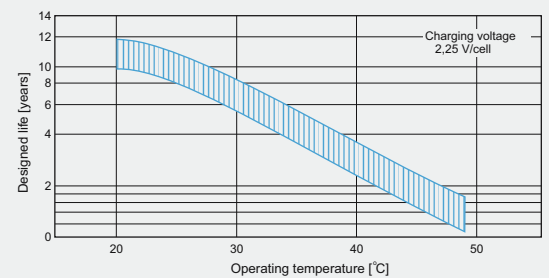
DISCHARGE CHARACTERISTICS



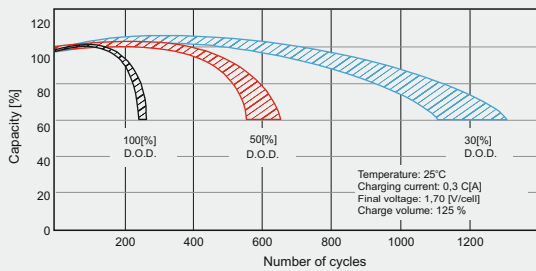
CHARGE CHARACTERISTICS



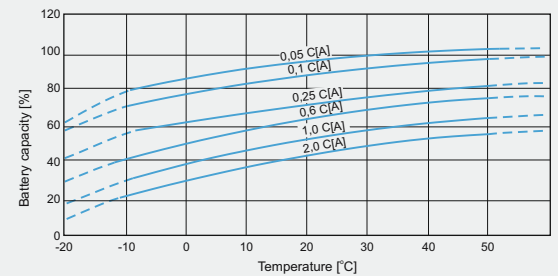
FLOAT LIFE



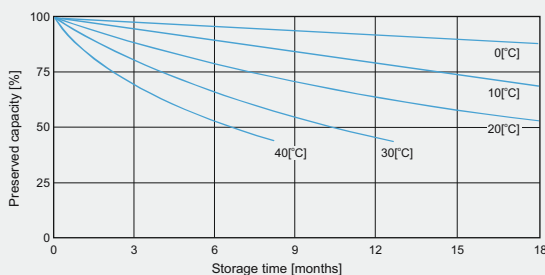
CYCLIC LIFE



CAPACITY VS. TEMPERATURE



SELFDISCHARGE CHARACTERISTICS



ENVIRONMENTAL 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 SUBSTANCES) AND OTHER FEATURES MAY BE DANGEROUS FOR ENVIRONMENT AND HUMAN OR ANIMAL HEALTH LIFE.