

TECHNICAL DATA

BASIC DATA

Rated voltage	12	V
20hr capacity at end voltage 1,75V/cell at 25°C	120	Ah
Internal resistance (fully charged battery) at 25°C	4,0	mΩ

DIMENSIONS

Length	408(±1)	mm
Width	177(±1)	mm
Height	225(±1)	mm
(Height with terminals)	225(±1)	mm
Weight	37,2	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 (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	12,0	A
Maximum	36,0	A

MAX. DISCHARGE CURRENT

5 sec.	1200	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 (UPD)
- Telecommunication PABX
- Cash registers and fiscal printers
- Emergency lighting system
- Emergency and fire systems
- Measure and mobile equipment
- Lawn mowers and electric bikes
- Toys

SAFETY



DISCHARGE CHARACTERISTICS

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

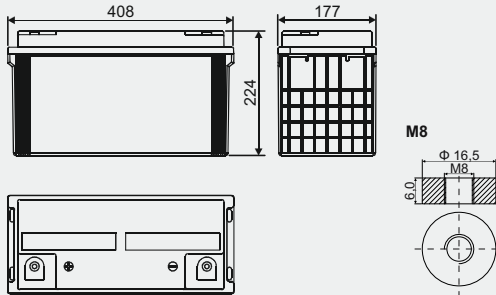
F.V. V/cell	Discharge time								
	10 min	15 min	30 min	45 min	1h	3h	5h	8h	10h
1,80	211	166	109	85,3	68,6	31,9	19,9	13,8	12,3
1,75	234	178	111	88,2	71,5	34,3	20,6	14,2	12,3
1,70	240	186	116	90,2	73,5	34,9	21,1	14,4	12,4
1,65	260	195	120	92,1	75,5	35,4	21,3	14,7	12,5
1,60	275	202	123	94,1	77,4	35,9	21,5	14,8	12,7

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

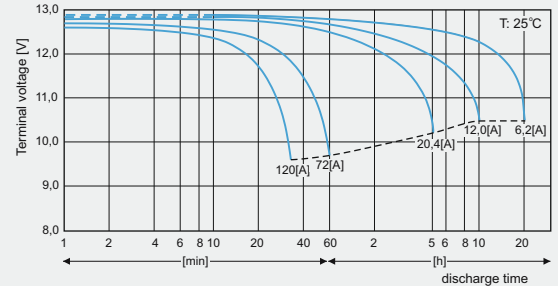
F.V. V/cell	Discharge time								
	10 min	15 min	30 min	45 min	1h	3h	5h	8h	10h
1,80	380	325	205	158	127	54,6	38,1	26,8	22,9
1,75	407	351	212	162	131	55,7	38,5	27,2	23,4
1,70	428	364	220	165	135	56,6	39,4	27,5	23,7
1,65	452	376	226	179	141	58,2	40,0	27,9	23,9
1,60	476	388	233	180	145	61,0	40,7	28,2	24,0

F.V. - Final Voltage

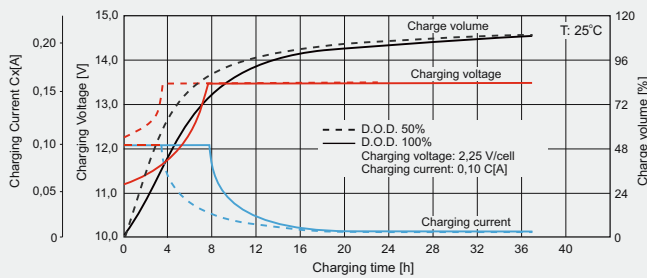
DIMENSIONS/TERMINALS



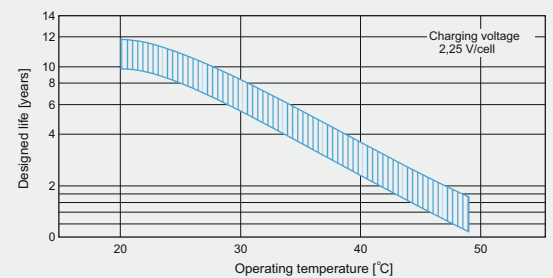
DISCHARGE CHARACTERISTICS



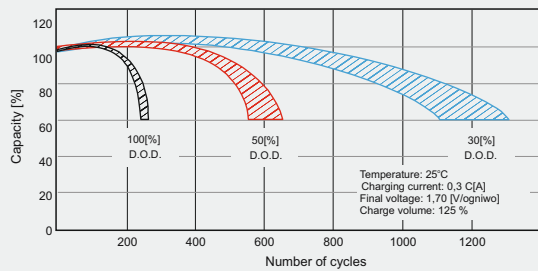
CHARGE CHARACTERISTICS



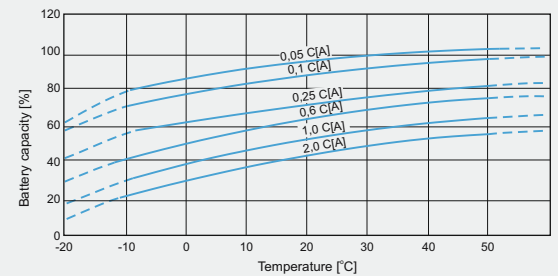
FLOAT LIFE



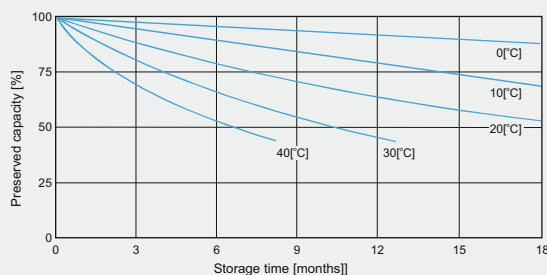
CYCLIC LIFE



CAPACITY VS. TEMPERATURE



SELFDISCHARGE CHARACTERISTICS



ENVIRONMENTAL INFORMATION

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