

TECHNICAL DATA

BASIC DATA

Rated voltage	12	V
20hr capacity at end voltage 1,75V/cell at 25°C	200	Ah
Internal resistance (fully charged battery) at 25°C	2,7	mΩ

DIMENSIONS

Length	522(±1)	mm
Width	240(±1)	mm
Height	218(±1)	mm
(Height with terminals)	224(±1)	mm
Weight	62,0	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	20,0	A
Maximum	60,0	A

MAX. DISCHARGE CURRENT

5 sec.	1600	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])

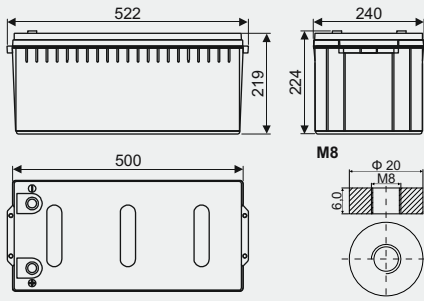
F.V. V/cell	Discharge time									
	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h
1,80	327	278	175	111	67,7	47,5	39,0	33,3	19,6	10,3
1,75	347	294	181	115	69,5	49,0	40,2	34,3	19,7	10,4
1,70	360	304	186	117	70,6	49,4	40,5	34,5	19,9	10,4
1,65	375	316	192	120	71,1	49,7	40,8	34,8	19,9	10,5
1,60	385	323	196	122	71,6	50,0	41,0	35,0	20,0	10,5

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

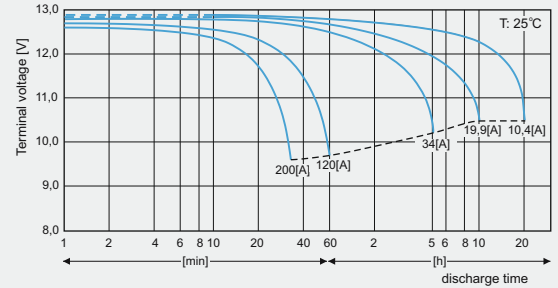
F.V. V/cell	Discharge time									
	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h
1,80	592	509	327	211	130	93,1	76,4	65,5	39,0	20,6
1,75	628	537	340	218	134	96,0	78,7	67,6	39,2	20,8
1,70	653	557	348	221	136	96,7	79,4	68,1	39,5	20,9
1,65	679	577	360	227	137	97,3	79,9	68,4	39,7	20,9
1,60	698	592	367	231	138	98,0	80,4	68,9	39,7	20,9

F.V. - Final Voltage

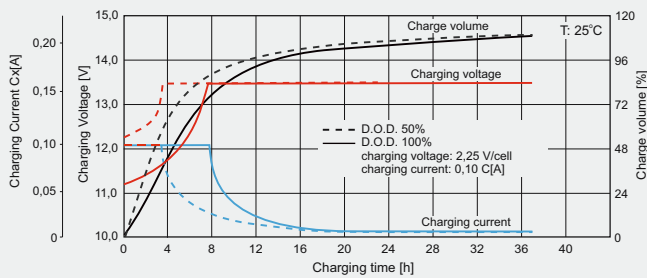
DIMENSIONS/TERMINALS



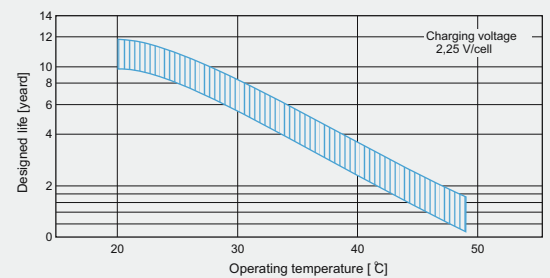
DISCHARGE CHARACTERISTICS



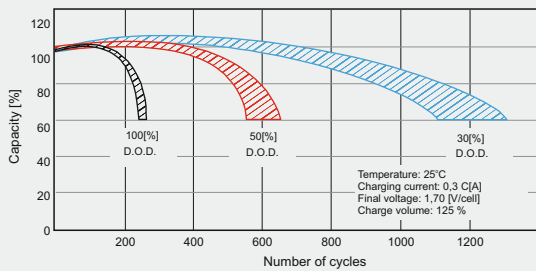
CHARGE CHARACTERISTICS



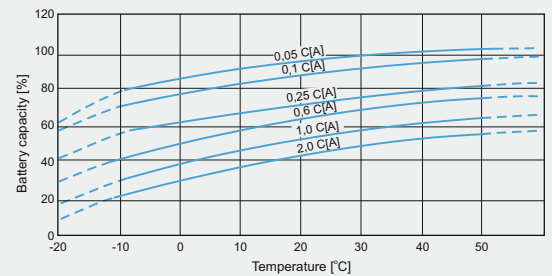
FLOAT LIFE



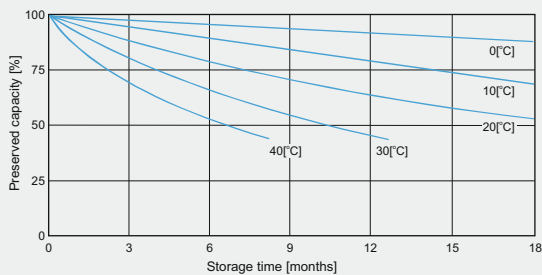
CYCLIC LIFE



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 AND LIFE.