

TECHNICAL DATA

DANE PODSTAWOWE

Rated voltage	12	V
20hr capacity at end voltage 1,75V/cell at 25°C	100	Ah
Internal resistance (fully charged battery) at 25°C	4,0	mΩ

DIMENSIONS

Length	330(±1)	mm
Width	173(±1)	mm
Height	212(±1)	mm
(Height with terminals)	220(±1)	mm
Weight	31,5	kg

TERMINALS

INSRT 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 (UL94: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	10,0	A
Maximum	30,0	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 (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])

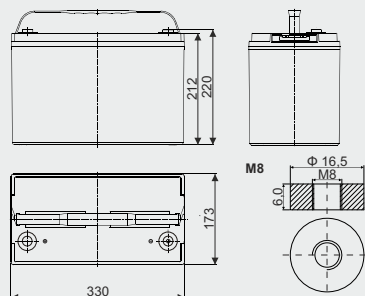
F.V. V/cell	10 min	15 min	20 min	30 min	1h	3h	5h	10h	20h
1,85	172	148	130	105	57,9	26,8	16,6	9,21	4,95
1,80	195	165	143	112	63,0	27,5	17,7	10,0	5,06
1,75	217	178	158	118	66,6	28,0	18,1	10,1	5,12
1,70	233	190	162	119	69,0	28,9	18,3	10,2	5,32
1,65	244	198	171	120	70,2	29,1	18,7	10,3	5,38
1,60	258	208	180	121	72,0	29,5	18,8	10,4	5,43

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

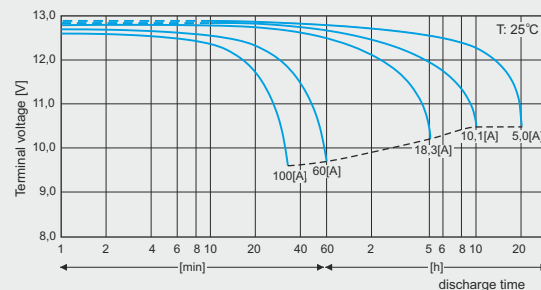
F.V. V/cell	10 min	15 min	20 min	30 min	1h	3h	5h	10h	20h
1,85	335	279	245	203	121	48,9	32,7	18,4	9,56
1,80	363	309	267	218	129	52,1	34,8	18,8	9,70
1,75	389	338	293	225	137	54,1	36,6	18,9	9,90
1,70	406	351	297	229	138	54,5	36,9	19,3	10,2
1,65	424	366	313	230	140	55,6	37,2	19,6	10,3
1,60	456	375	326	233	142	57,0	37,5	19,8	10,4

F.V. - Final Voltage

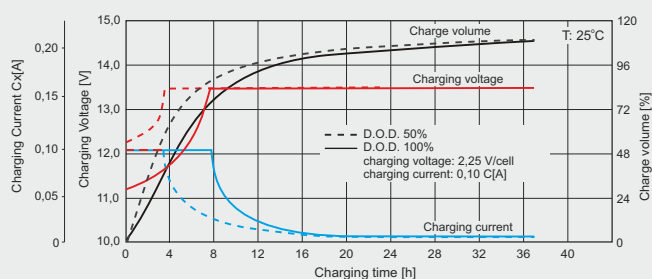
DIMENSIONS/TERMINALS



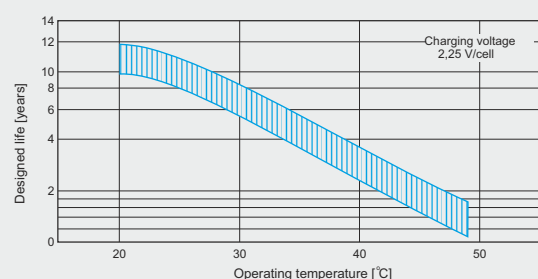
DISCHARGE CHARACTERISTICS



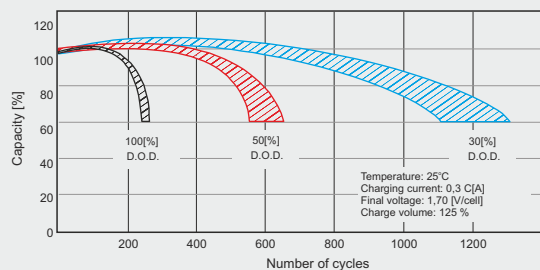
CHARGE CHARACTERISTICS



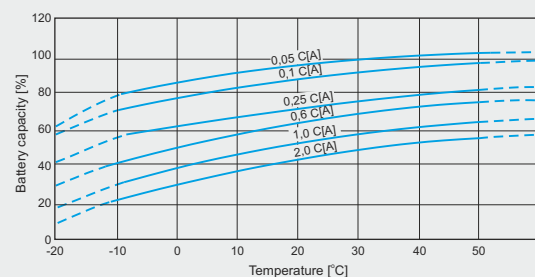
FLOAT LIFE



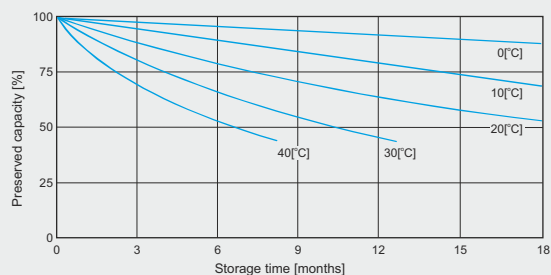
CYCLIC LIFE



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.