



HESTORE.HU

elektronikai alkatrész áruház

EN: This Datasheet is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

TECHNICAL DATA

BASIC DATA

| | | |
|---|----|----|
| Rated voltage | 12 | V |
| 20hr capacity at end voltage 1,75V/cell at 25°C | 9 | Ah |
| Internal resistance (fully charged battery at 25°C) | 14 | mΩ |

DIMENSIONS

| | | |
|-------------------------|---------|----|
| Length | 151(±1) | mm |
| Width | 65(±1) | mm |
| Height | 94(±1) | mm |
| (Height with terminals) | 99(±1) | mm |
| Weight | 2,7 | kg |

TERMINALS

| | | |
|-----------------|----|---|
| INSERT TERMINAL | T2 | - |
|-----------------|----|---|

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

| | | |
|-------------|------|---|
| Recommended | 0,90 | A |
| Maximum | 2,55 | A |

MAX. DISCHARGE CURRENT

| | | |
|--------|-----|---|
| 5 sec. | 130 | A |
|--------|-----|---|

DESIGNED LIFE

| | | |
|--|---------|-----|
| Bpower designed life at 25°C | up to 8 | lat |
| At 20°C according to Eurobat - General Purpose group | 10 - 12 | lat |

CYCLE LIFE

| | | |
|----------------|-----|-------|
| At 100% D.O.D. | 300 | cykli |
| At 50% D.O.D. | 600 | cykli |

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 [A], 25 [°C])

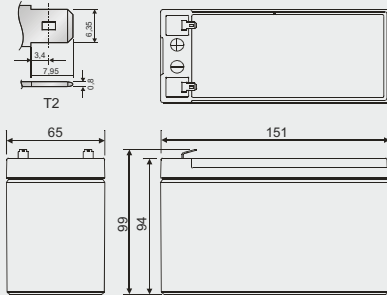
| F.V. V/cell | Discharge time | | | | | | | | | | |
|----------------|----------------|--------|--------|--------|------|------|------|------|------|-------|-------|
| | 5 min | 10 min | 15 min | 30 min | 1h | 2h | 3h | 4h | 5h | 10h | 20h |
| 1,85 | 29,9 | 18,7 | 14,0 | 7,92 | 4,90 | 2,57 | 2,06 | 1,65 | 1,40 | 0,784 | 0,413 |
| 1,80 | 32,0 | 20,0 | 14,6 | 8,28 | 5,07 | 2,66 | 2,13 | 1,71 | 1,45 | 0,811 | 0,427 |
| 1,75 | 34,3 | 21,5 | 15,5 | 8,75 | 5,18 | 2,72 | 2,18 | 1,75 | 1,48 | 0,829 | 0,436 |
| 1,70 | 36,0 | 22,5 | 16,2 | 9,16 | 5,24 | 2,75 | 2,21 | 1,76 | 1,50 | 0,838 | 0,441 |
| 1,65 | 37,7 | 23,6 | 16,9 | 9,57 | 5,27 | 2,77 | 2,22 | 1,77 | 1,51 | 0,842 | 0,443 |
| 1,60 | 39,5 | 24,7 | 17,6 | 9,98 | 5,29 | 2,78 | 2,23 | 1,78 | 1,52 | 0,847 | 0,446 |

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

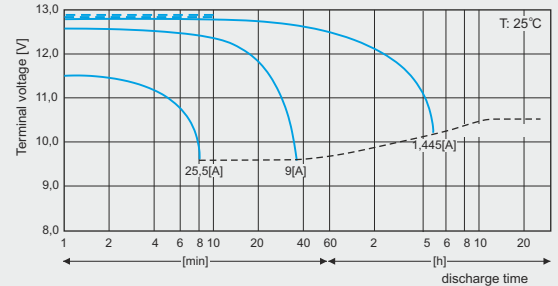
| F.V. V/cell | Discharge time | | | | | | | | | | |
|----------------|----------------|--------|--------|--------|------|------|------|------|------|------|-------|
| | 5 min | 10 min | 15 min | 30 min | 1h | 2h | 3h | 4h | 5h | 10h | 20h |
| 1,85 | 55,8 | 35,8 | 27,4 | 15,7 | 9,76 | 5,15 | 4,15 | 3,33 | 2,83 | 1,59 | 0,836 |
| 1,80 | 84,2 | 60,3 | 45,3 | 28,0 | 15,9 | 8,60 | 6,15 | 4,97 | 4,35 | 2,55 | 1,31 |
| 1,75 | 89,3 | 63,0 | 47,2 | 29,0 | 16,6 | 9,02 | 6,53 | 5,22 | 4,51 | 2,62 | 1,35 |
| 1,70 | 94,8 | 65,3 | 48,5 | 30,0 | 17,2 | 9,22 | 6,68 | 5,37 | 4,65 | 2,66 | 1,37 |
| 1,65 | 99,7 | 67,5 | 49,8 | 30,7 | 17,5 | 9,38 | 7,10 | 5,52 | 4,77 | 2,70 | 1,40 |
| 1,60 | 105 | 68,8 | 51,0 | 31,2 | 17,7 | 9,52 | 7,20 | 5,62 | 4,83 | 2,72 | 1,43 |

F.V. - Final Voltage

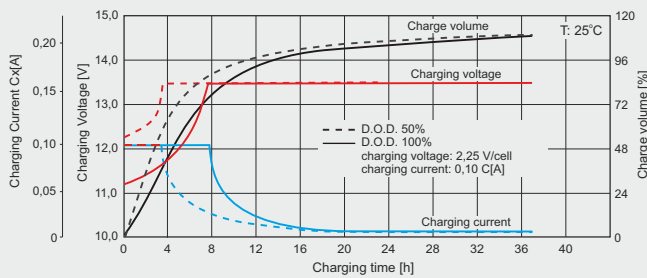
DIMENSIONS/TERMINALS



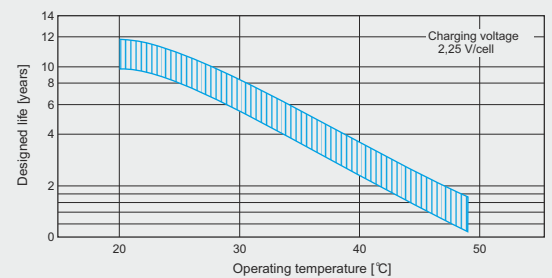
DISCHARGE CHARACTERISTICS



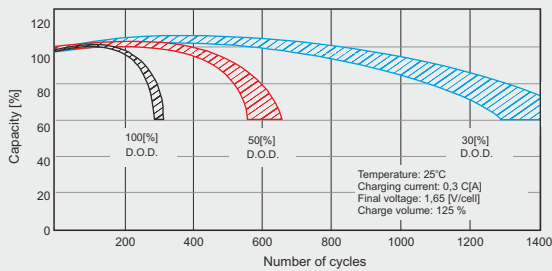
CHARGE CHARACTERISTICS



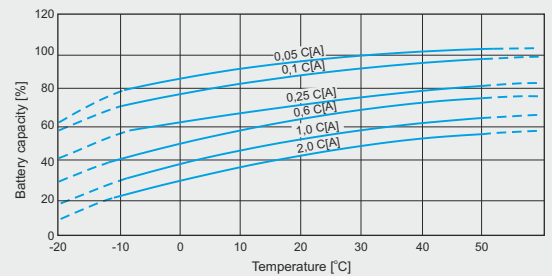
FLOAT LIFE



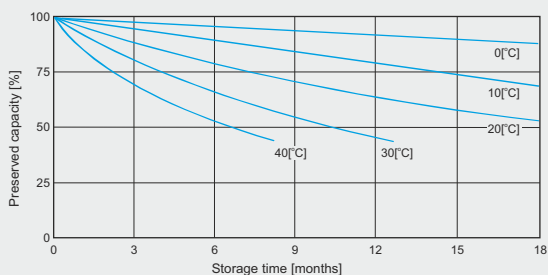
CYCLIC LIFE



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 LIFE.