

### Specificatii

|                                           |                                                                                                                            |                           |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Tensiune nominala                         | 12V                                                                                                                        |                           |
| Capacitate nominala (10h)                 | 200Ah                                                                                                                      |                           |
| Dimensiuni                                | Lungime                                                                                                                    | 522 ± 2mm                 |
|                                           | Latime                                                                                                                     | 238 ± 2mm                 |
|                                           | Inaltime carcasa                                                                                                           | 218 ± 2mm                 |
|                                           | Inaltime totala (cu borne)                                                                                                 | 222 ± 2mm                 |
| Greutate                                  | Approx 62,5kg                                                                                                              |                           |
| Tip Borna                                 | T16                                                                                                                        |                           |
| Material carcasa                          | ABS                                                                                                                        |                           |
| Capacitate                                | 216,0Ah / 10,8A                                                                                                            | 20Hr, 1,80V/cell, 25°C    |
|                                           | 204,0Ah / 20,4A                                                                                                            | 10Hr, 1,80V/cell, 25°C    |
|                                           | 174,0Ah / 34,8A                                                                                                            | 5Hr, 1,80V/cell, 25°C     |
|                                           | 153,3Ah / 51,1A                                                                                                            | 3Hr, 1,80V/cell, 25°C     |
|                                           | 117Ah / 117A                                                                                                               | 1Hr, 1,75V/cell, 25°C     |
| Curent maxim de descarcare                | 1400A (5s)                                                                                                                 |                           |
| Rezistenta interna                        | Approx 3.3mΩ                                                                                                               |                           |
| Interval temp. de utilizare               | Descarcare: -15 ÷ 50°C                                                                                                     |                           |
|                                           | Incarcare: -10 ÷ 50°C                                                                                                      |                           |
|                                           | Depozitare: -20 ÷ 50°C                                                                                                     |                           |
| Temp. nominala de utilizare               | 25 ± 3°C                                                                                                                   |                           |
| Utilizare ciclica                         | Curent initial de incarcare: <40A. Tensiunea de incarcare: 14,50V ÷ 14,70V la 25°C. Coef. de corectie cu temp.: -30mV / °C |                           |
| Utilizare tampon (stand-by)               | Curent initial de incarcare: <40A. Tensiunea de incarcare: 13,50V ÷ 13,80V la 25°C. Coef. de corectie cu temp.: -18mV / °C |                           |
| Influenta temperaturii asupra capacitatii | 40°C                                                                                                                       | 102%                      |
|                                           | 25°C                                                                                                                       | 100%                      |
|                                           | 0°C                                                                                                                        | 85%                       |
| Autodescicare la 25°C                     | 3 luni                                                                                                                     | Capacitate remanenta: 91% |
|                                           | 6 luni                                                                                                                     | Capacitate remanenta: 82% |
|                                           | 12 luni                                                                                                                    | Capacitate remanenta: 65% |

### FSun 12 - 200



### Utilizari si caracteristici

Tehnologie: VRLA cu Gel

Surse neinteruptibile de tensiune (UPS)

Sisteme electrice de alimentare (EPS)

Sisteme de semnalizare aeriene si feroviare

Iluminat de siguranta

Centrale electrice

Echipamente cu functionare ciclica

Instalatii solare si eoliene

EN 60896-21,-22

Durata de viata proiectata: 10-12 ani

Eurobat: Long Life

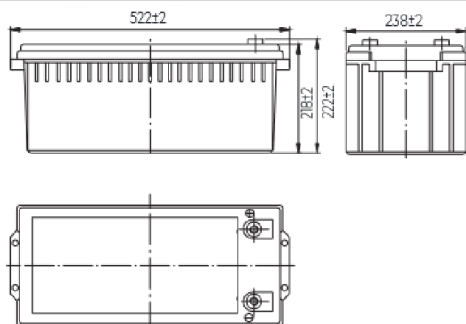
### Descarcare cu curent constant (Amperi) la 25°C

| Ufinal/Timp | 15min | 30min | 60min | 2h   | 3h   | 4h   | 5h   | 6h   | 8h   | 10h  | 20h  |
|-------------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 9.60V       | 343   | 205   | 126   | 74.5 | 53.7 | 42.9 | 36.6 | 31.8 | 25.2 | 20.8 | 11.0 |
| 9.90V       | 334   | 201   | 124   | 74.1 | 53.4 | 42.6 | 36.4 | 31.6 | 25.0 | 20.7 | 11.0 |
| 10.2V       | 322   | 195   | 121   | 73.4 | 53.0 | 42.3 | 36.2 | 31.4 | 24.9 | 20.7 | 11.0 |
| 10.5V       | 311   | 190   | 117   | 72.3 | 52.6 | 42.0 | 35.9 | 31.2 | 24.7 | 20.5 | 10.9 |
| 10.8V       | 295   | 183   | 113   | 70.5 | 51.1 | 40.8 | 34.8 | 30.3 | 23.9 | 20.4 | 10.8 |

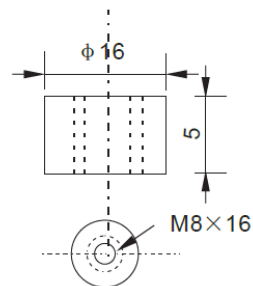
### Descarcare cu putere constanta (Watts/bloc) la 25°C

| Ufinal/Timp | 15min | 30min | 60min | 2h  | 3h  | 4h  | 5h  | 6h  | 8h  | 10h | 20h |
|-------------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|
| 9.60V       | 3763  | 2300  | 1437  | 863 | 631 | 504 | 433 | 376 | 299 | 248 | 132 |
| 9.90V       | 3673  | 2254  | 1416  | 858 | 628 | 501 | 430 | 374 | 297 | 247 | 132 |
| 10.2V       | 3537  | 2185  | 1380  | 850 | 623 | 498 | 427 | 372 | 295 | 247 | 131 |
| 10.5V       | 3417  | 2132  | 1337  | 838 | 619 | 494 | 424 | 369 | 293 | 245 | 131 |
| 10.8V       | 3236  | 2054  | 1293  | 816 | 600 | 479 | 412 | 358 | 284 | 244 | 130 |

### Dimensiuni exterioare (mm)

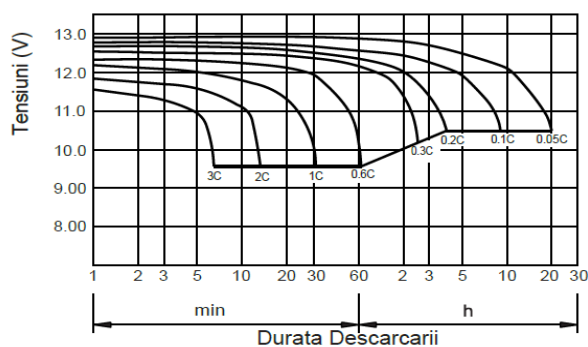


### Tip Borna (mm)

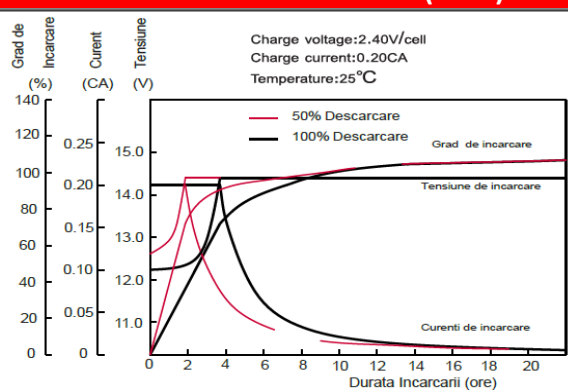


T16

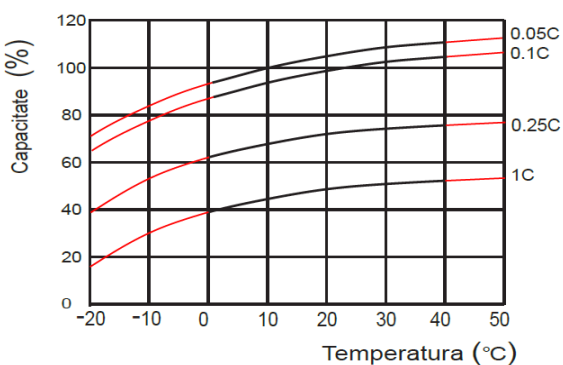
### Caracteristici de descarcare (25°C)



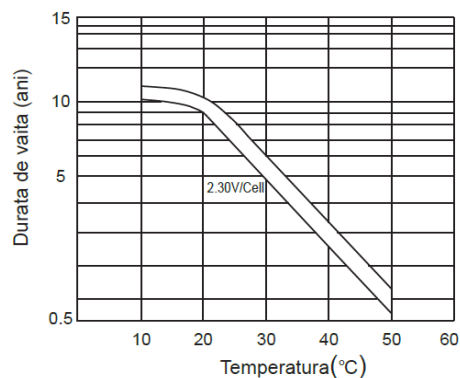
### Caracteristici de incarcare (25°C)



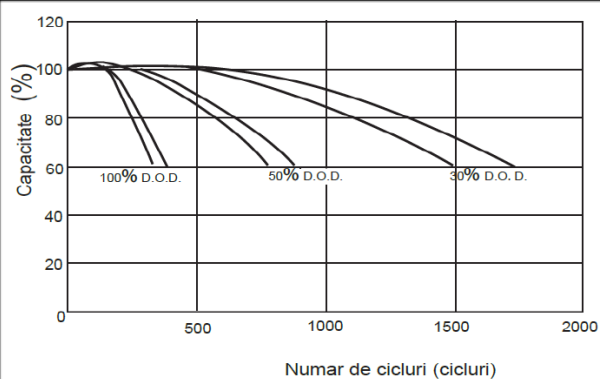
### Efectul temperaturii asupra capacitatii



### Durata de viata in functie de temperatura



### Numar de cicluri vs D.O.D (25°C)



### Relatia tensiune la borne / capacitate (25°C)

