

Gama FS / FS12-28



Poza cu titlu de prezentare

Utilizari si caracteristici

Tehnologie: VRLA

Uninterruptible Power Supply (UPS)

Electric Power System (EPS)

Sisteme de semnalizare feroviare si aeriene

Iluminat de siguranta

Statii de alimentare electrica

Sisteme de alarma si securitate

Surse de alimentare cu C.C.

EN 60896-21,-22

Durata de viata proiectata: 5 ani

Eurobat: Standard Comercial

Bateriile din gama FOTON FH pot fi stocate

pina la 6 luni la 25°C dupa care este

recomandata o incarcare de improspatare

Specificatii

| | | |
|---|---|----------------------------|
| Tensiune nominala | 12V | |
| Capacitate nominala (20 ore) | 28Ah | |
| Dimensiuni | Lungime | 166 ± 2mm |
| | Latime | 175 ± 2mm |
| | Inaltime carcasa | 125 ± 2mm |
| | Inaltime totala (cu borne) | 125 ± 2mm |
| Greutate | Approx 8,8kg | |
| Borne | T12 | |
| Material carcasa | ABS | |
| Capacitate | 28,0Ah / 1,40A | 20Hr, 1,80V/celula, 25oC |
| | 23,95Ah / 4,79A | 5Hr, 1,75V/celula, 25oC |
| | 20,40Ah / 6,80A | 3Hr, 1,75V/celula, 25oC |
| | 18,00Ah / 18,00A | 1Hr, 1,60V/celula, 25oC |
| | 96W / celula | 15 min, 1,65V/celula, 25°C |
| Curent maxim de descarcare | 360A (5s) | |
| Rezistenta interna | Approx 10mΩ | |
| 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: <8,4A. Tensiunea de incarcare: 14,5V ÷ 15,0V la 25°C. Coef. de corectie cu temperatura: -30mV / °C | |
| | Curent initial de incarcare: <8,4A. Tensiunea de incarcare: 13,5V ÷ 13,8V at 25°C. Coef. de corectie cu temperatura: -18mV / °C | |
| Influenta temperaturii asupra capacitatii | 40°C | 102% |
| | 25°C | 100% |
| | 0°C | 85% |
| Autodescercare la 25°C | 3 luni | Capacitate remanenta: 91% |
| | 6 luni | Capacitate remanenta: 82% |
| | 12 luni | Capacitate remanenta: 65% |

Descarcare cu curent constant (Amperi) la 25°C

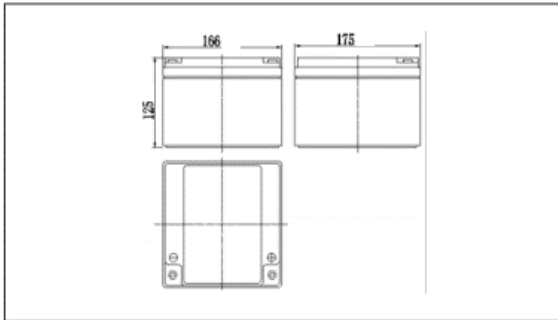
| Ufinal/timp | 5min | 10min | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 10h | 20h |
|-------------|------|-------|-------|-------|-------|------|------|------|------|------|------|
| 9.60V | 105 | 66.4 | 51.9 | 29.2 | 18.0 | 10.0 | 6.94 | 5.74 | 4.88 | 2.65 | 1.42 |
| 9.90V | 102 | 64.4 | 51.6 | 28.6 | 17.7 | 9.97 | 6.90 | 5.71 | 4.86 | 2.64 | 1.42 |
| 10.2V | 97.5 | 61.8 | 48.7 | 27.6 | 17.3 | 9.88 | 6.85 | 5.67 | 4.82 | 2.63 | 1.41 |
| 10.5V | 93.3 | 59.1 | 47.1 | 27.1 | 16.9 | 9.74 | 6.80 | 5.63 | 4.79 | 2.61 | 1.40 |
| 10.8V | 88.0 | 55.8 | 44.6 | 26.1 | 16.4 | 9.49 | 6.60 | 5.46 | 4.64 | 2.56 | 1.37 |

Descarcare cu putere constanta (Watts/bloc) la 25oC

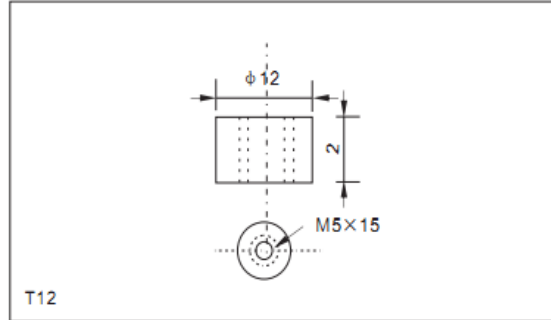
| Ufinal/timp | 5min | 10min | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 10h | 20h |
|-------------|------|-------|-------|-------|-------|-----|------|------|------|------|------|
| 9.60V | 1170 | 749 | 591 | 335 | 208 | 117 | 82.4 | 68.4 | 58.3 | 31.8 | 17.1 |
| 9.90V | 1135 | 727 | 577 | 328 | 205 | 117 | 82.0 | 68.0 | 58.0 | 31.7 | 17.0 |
| 10.2V | 1088 | 697 | 556 | 318 | 200 | 116 | 81.4 | 67.5 | 57.6 | 31.5 | 16.9 |
| 10.5V | 1041 | 667 | 537 | 310 | 196 | 114 | 80.8 | 67.0 | 57.2 | 31.3 | 16.8 |
| 10.8V | 983 | 629 | 508 | 299 | 190 | 111 | 78.4 | 65.0 | 55.5 | 31.7 | 16.5 |

Valorile se pot modifica fără înștiințare prealabilă.

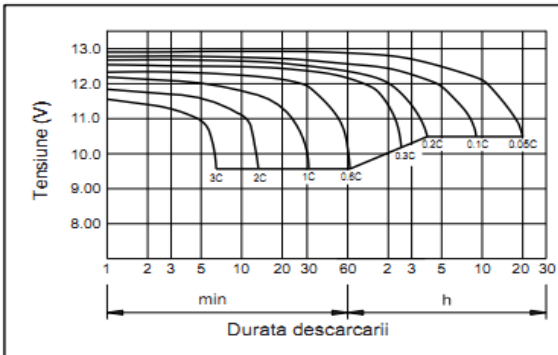
Dimensiuni exetrioare (mm)



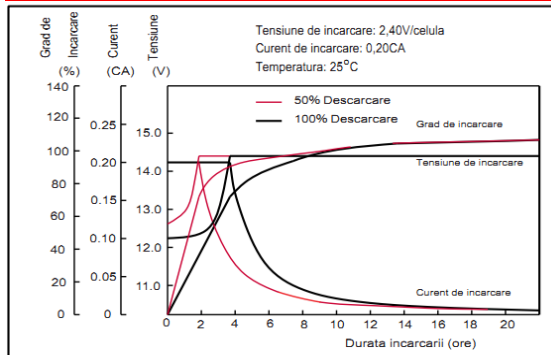
Tip borne (mm)



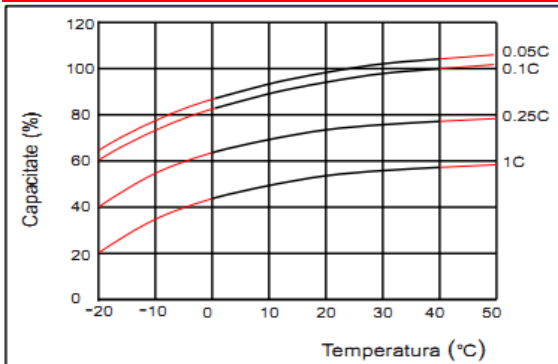
Caracteristici de descarcare (25°C)



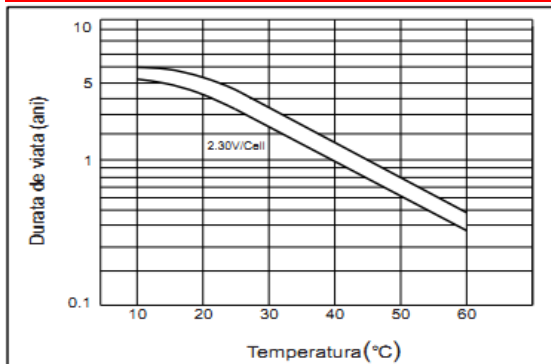
Caracteristici de incarcare (25°C)



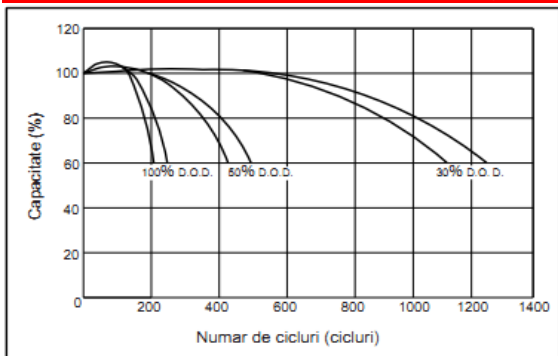
Efectul temperaturii asupra capacitatii



Durata de viata vs temperatura



Nr de cicluri vs adincime de descarcare (25°C)



Capacitate vs tensiune la borne (25°C)

