

## Specificatii

Tensiune nominala	12V	
Capacitate nominala (20h)	5Ah	
Dimensiuni	Lungime	90 ± 1mm
	Latime	70 ± 1mm
	Inaltime carcasa	101 ± 1mm
	Inaltime totala (cu borne)	107 ± 1mm
Greutate aproximativa	Approx 1,65kg	
Borne	T1/T2	
Material carcasa	ABS	
Capacitate nominala	5,0Ah / 0,25A	20hr, 1,75V/elem, 25°C
	4,3Ah / 0,86A	5hr, 1,75V/elem, 25°C
	3,66Ah / 1,22A	3hr, 1,75V/elem, 25°C
	3,28Ah / 3,28A	1hr, 1,60V/elem, 25°C
Curent maxim de descarcare	75A (5s)	
Rezistenta interna	Approx 27mΩ	
Interval temperatura	Descarcare: -15 ÷ 50°C	
	Incarcare: -10 ÷ 50°C	
	Depozitare: -20 ÷ 50°C	
Temperatura nominala	25 ± 3°C	
Utilizare ciclica	Curent de incarcare maxim 1,5A. Tensiune de incarcare: 14,5V ÷ 15,0V la 25°C. Coeficient corectie temperatura: -30mV / °C	
Utilizare standby	Curent de incarcare maxim 1,5A. Tensiune incarcare: 13,5V ÷ 13,8V la 25°C. Coeficient corectie 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%

## FS series / FS12-5



## Utilizare si caracteristici

Tehnologie: VRLA

Surse neintreruptibile de tensiune (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 FS pot fi stocate

pina la 6 luni la 25°C dupa care este

recomandata o incarcare de improsptare

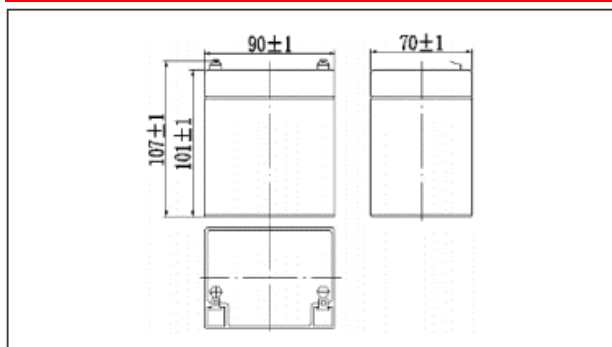
## Descarcare cu curent constant (Amperi) la 25°C

F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	19.1	12.1	9.45	5.33	3.28	1.79	1.24	1.03	0.87	0.47	0.25
9.90V	18.5	11.7	9.22	5.22	3.23	1.78	1.23	1.02	0.87	0.47	0.25
10.2V	17.8	11.3	8.88	5.06	3.14	1.77	1.22	1.01	0.86	0.47	0.25
10.5V	17.0	10.8	8.58	4.94	3.08	1.74	1.22	1.01	0.86	0.47	0.25
10.8V	16.0	10.2	8.13	4.76	2.99	1.69	1.18	0.97	0.83	0.46	0.25

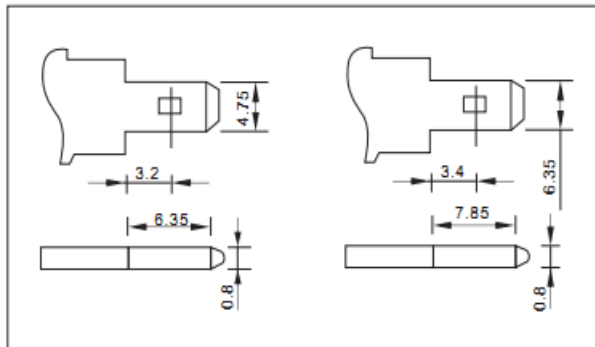
## Descarcare cu putere constanta (Watt/elem) la 25°C

F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	213	136	108	61.0	37.9	21.0	14.7	12.2	10.4	5.68	3.05
9.90V	207	132	105	59.8	37.4	20.8	14.6	12.1	10.4	5.66	3.03
10.2V	198	127	101	58.0	36.4	20.7	14.5	12.1	10.3	5.63	3.02
10.5V	190	121	97.8	56.6	35.7	20.3	14.4	12.0	10.2	5.60	3.00
10.8V	179	115	92.6	54.5	34.6	19.8	14.0	11.6	9.90	5.49	2.94

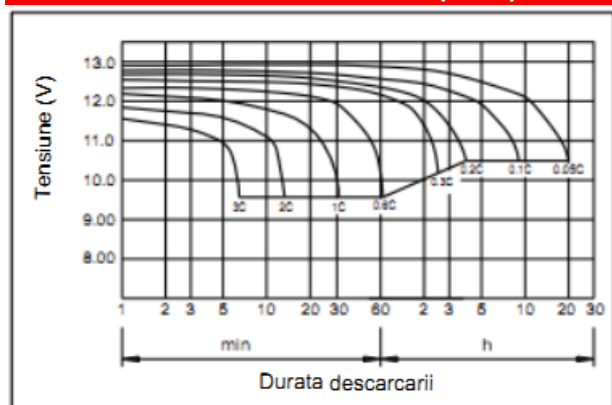
### Dimensiuni exterioare (mm)



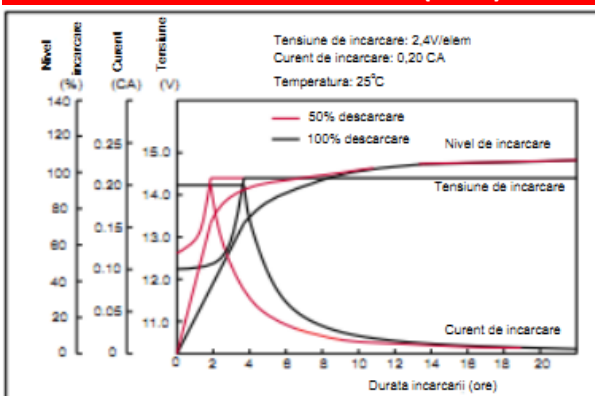
### Tip borne (mm)



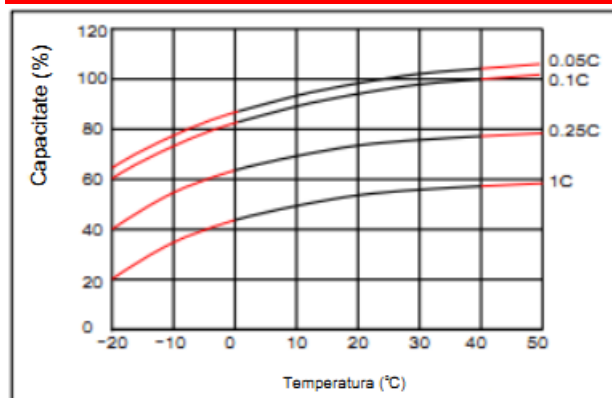
### Caracteristici descarcare (25°C)



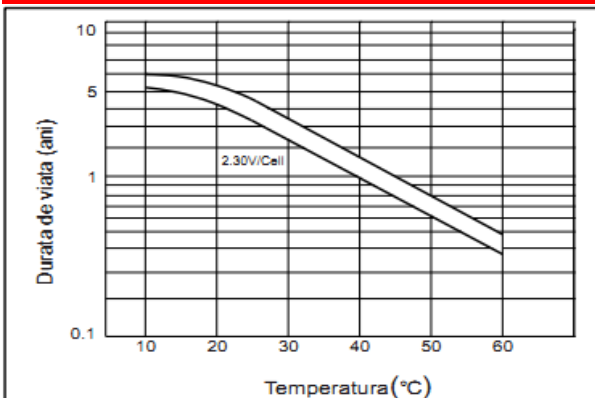
### Caracteristici incarcare (25°C)



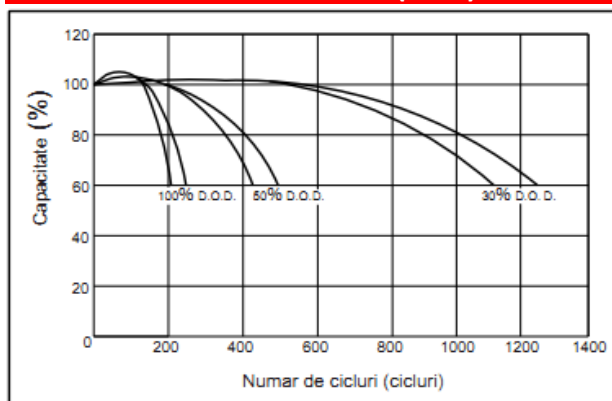
### Efectul temperaturii asupra capacitatii



### Durata de viata float vs temperatura



### Nr cicluri vs D.O.D (25°C)



### Relatie intre OCV vs capacity (25°C)

