

## Gama FS / FS12-7



### Specificatii

Tensiune nominala	12V		
Capacitate nominala (20h)	7Ah		
Dimensiuni	Lungime	151 ± 1,5mm	
	Latime	65 ± 1mm	
	Inaltime carcasa	94 ± 1mm	
	Inaltime totala (cu borne)	100 ± 1mm	
Greutate	Approx 2,1kg		
Tip Borna	T1 / T2		
Material carcasa	ABS		
Capacitate	7,0Ah / 0,35A	20Hr, 1,75V/cell, 25°C	
	6,5Ah / 0,65A	10Hr, 1,75V/cell, 25°C	
	6,0Ah / 1,20A	5Hr, 1,75V/cell, 25°C	
	5,1Ah / 1,70A	3Hr, 1,75V/cell, 25°C	
Capacitate	4,59Ah / 4,59A	1Hr, 1,60V/cell, 25°C	
	Curent maxim de descarcare	105A (5s)	
Rezistenta interna	Approx 25mΩ		
Interval temp. de utilizare	Descarcare: -15 ÷ 50°C		
	Incarcare: -10 ÷ 50°C		
Temp. nominala de utilizare	Depozitare: -20 ÷ 50°C		
	25 ± 3°C		
Utilizare ciclica	Curent initial de incarcare: <2,1A. Tensiunea de incarcare: 14,5V ÷ 15,0V la 25°C. Coef. de corectie cu temperatura: -30mV / °C		
	Curent initial de incarcare: <2,1A. Tensiunea de incarcare: 13,5V ÷ 13,8V at 25°C. Coef. de corectie cu temperatura: -18mV / °C		
Utilizare tampon (stand-by)	40°C	102%	25°C 100%
	0°C	85%	-15°C 65%
Influenta temperaturii asupra capacitatii	3 luni Capacitate remanenta: 91%		
	6 luni Capacitate remanenta: 82%		
	12 luni Capacitate remanenta: 65%		

### Utilizari si caracteristici

Tehnologie: VRLA

Surse neinteruptibile de tensiune (UPS)

Sisteme electrice de alimentare (EPS)

Sisteme de semnalizare aeriene si feroviare

Iluminat de siguranta

Centrale electrice

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 improspatare

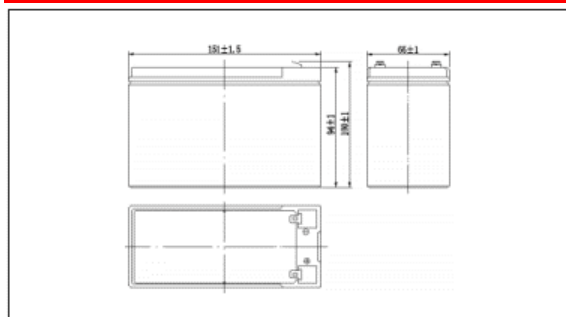
### Descarcare cu curent constant (Amperi) la 25°C

U final/Timp	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	26.7	16.9	13.2	7.46	4.59	2.51	1.74	1.44	1.22	0.66	0.36
9.90V	25.9	16.4	12.9	7.31	4.52	2.49	1.72	1.43	1.21	0.66	0.35
10.2V	24.9	15.8	12.4	7.08	4.40	2.47	1.71	1.42	1.21	0.66	0.35
10.5V	23.8	15.1	12.0	6.91	4.31	2.43	1.70	1.41	1.20	0.65	0.35
10.8V	22.5	14.2	11.4	6.66	4.18	2.37	1.65	1.36	1.16	0.64	0.34

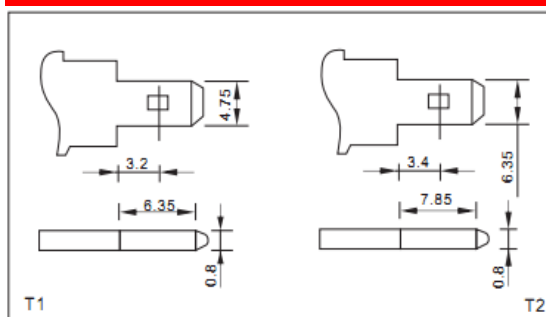
### Descarcare cu putere constanta (Watts/bloc) la 25°C

U final/Timp	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	298	191	151	85.4	53.1	29.3	20.6	17.1	14.6	7.95	4.26
9.90V	289	185	147	83.7	52.3	29.2	20.5	17.0	14.5	7.92	4.25
10.2V	278	178	142	81.2	51.0	28.9	20.3	16.9	14.4	7.88	4.23
10.5V	266	170	137	79.2	50.0	28.5	20.2	16.8	14.3	7.84	4.20
10.8V	251	161	130	76.3	48.4	27.8	19.6	16.3	13.9	7.68	4.12

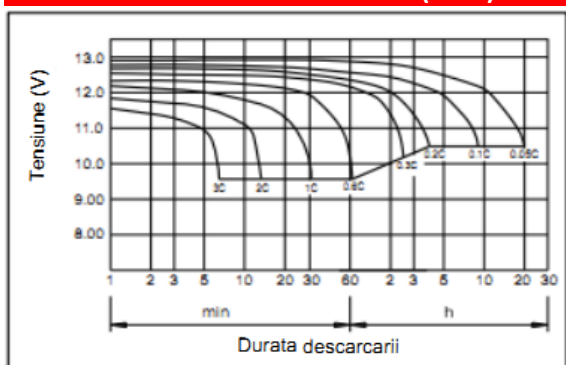
### Dimensiuni exterioare (mm)



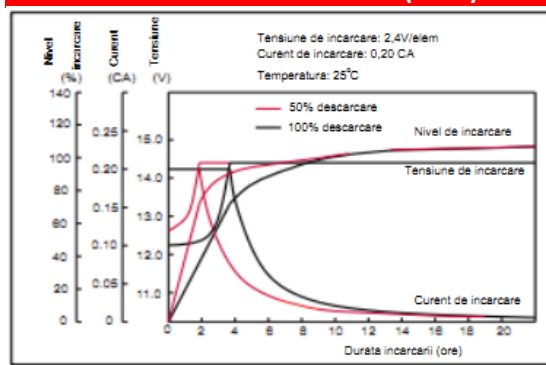
### Tip Borna (mm)



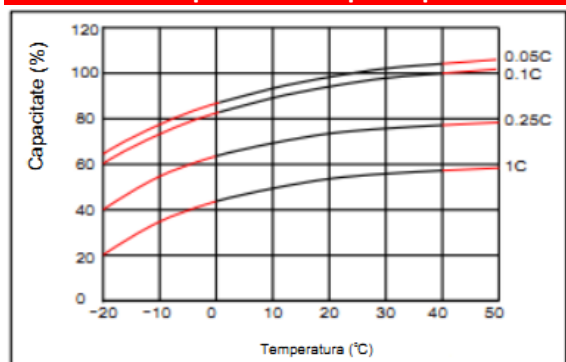
### Caracteristici de descarcare (25°C)



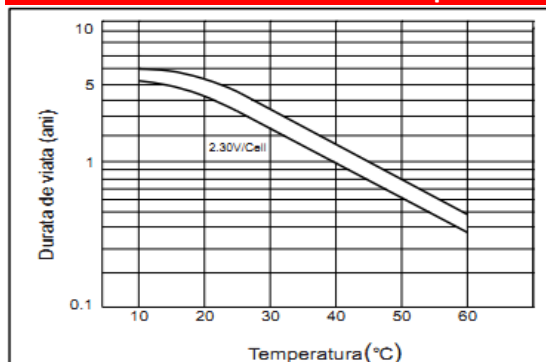
### Caracteristici de incarcare (25°C)



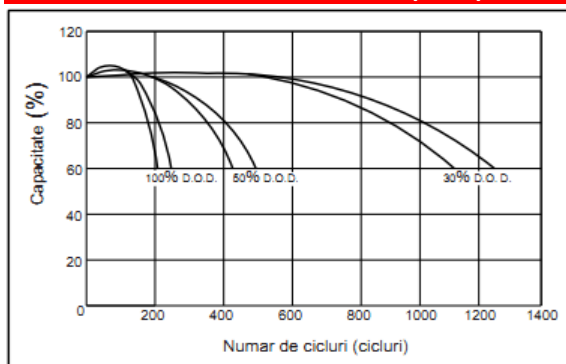
### Efectul temperaturii asupra capacitatii



### Durata de viata in functie de temperatura



### Numar de cicluri vs D.O.D (25°C)



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

