

## Gama FS / FS2-400



### Specificatii

Tensiune nominala	2V	
Capacitate nominala (10h)	400Ah	
Dimensiuni	Lungime	155,5 ± 2mm
	Latime	179 ± 2mm
	Inaltime carcasa	367 ± 2mm
	Inaltime totala (cu borne)	377 ± 2mm
Greutate	Approx 24,0kg	
Tip Borna	FM8	
Material carcasa	ABS	
Capacitate	424,8Ah / 17,7A	24Hr, 1,80V/cell, 25°C
	400,0Ah / 40,0A	10Hr, 1,80V/cell, 25°C
	352,0Ah / 70,4A	5Hr, 1,75V/cell, 25°C
	312,0Ah / 104,0A	3Hr, 1,75V/cell, 25°C
	272,0Ah / 272,0A	1Hr, 1,60V/cell, 25°C
Curent maxim de descarcare	1400A (5s)	
Rezistenta interna	Approx 0,43mΩ	
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: <60A. Tensiunea de incarcare: 2,32V ÷ 2,37V la 25°C. Coef. de corectie cu temperatura: -3,5mV / °C	
	Curent initial de incarcare: <60A. Tensiunea de incarcare: 2,23V ÷ 2,27V la 25°C. Coef. de corectie cu temperatura: -3,5mV / °C	
Influenta temperaturii asupra capacitatii	40°C	102%
	25°C	100%
	0°C	85%
Autodescercare la 25°C	3 luni	Capacitate remanenta: 95%
	6 luni	Capacitate remanenta: 91%
	12 luni	Capacitate remanenta: 82%

### 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: 15 ani

Eurobat: Long Life

Bateriile din gama FOTON FS pot fi stocate

pina la 6 luni la 25°C dupa care este

recomandata o incarcare de improspatare

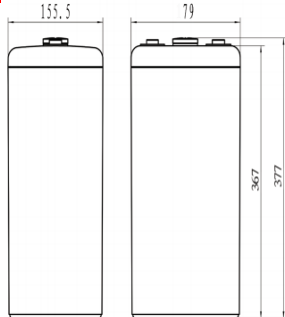
### Descarcare cu curent constant (Amperi) la 25°C

Tensiune finala (V/elem)	min							h							
	5	10	15	20	30	40	50	1	1.5	2	3	5	8	10	24
1.60	608	560	524	472	384	352	300	272	213	157	116	79.2	54.4	44.0	19.4
1.65	568	524	488	440	356	320	280	256	196	150	112	76.0	52.8	43.2	19.0
1.70	516	472	432	400	328	292	264	240	182	144	108	72.8	51.2	42.2	18.7
1.75	468	416	376	344	300	268	240	220	168	136	104	70.4	49.6	41.2	18.2
1.80	400	368	336	312	272	244	220	200	157	128	100	68.0	48.0	40.0	17.7

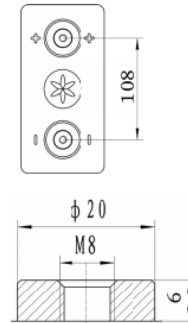
### Descarcare cu putere constanta (Watts/bloc) la 25°C

Tensiune finala (V/elem)	min							h							
	5	10	15	20	30	40	50	1	1.5	2	3	5	8	10	24
1.60	1042	971	915	828	678	625	535	487	383	284	212	147	102	83.0	37.1
1.65	994	928	870	788	641	579	509	467	359	278	208	143	100	82.5	36.9
1.70	922	852	785	730	602	539	489	446	341	271	205	139	99.8	81.8	36.6
1.75	853	766	696	640	561	504	453	416	319	260	200	136	96.7	80.5	35.8
1.80	741	688	632	589	516	465	420	383	301	247	194	133	94.2	78.7	35.0

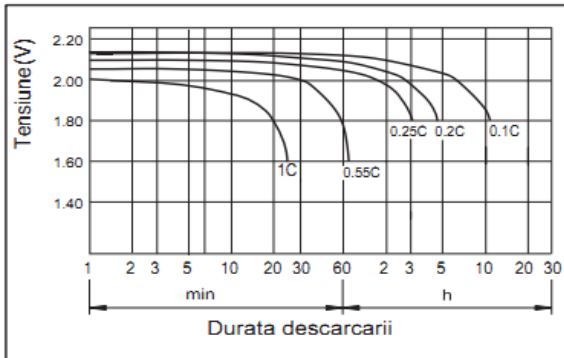
### Dimensiuni exterioare (mm)



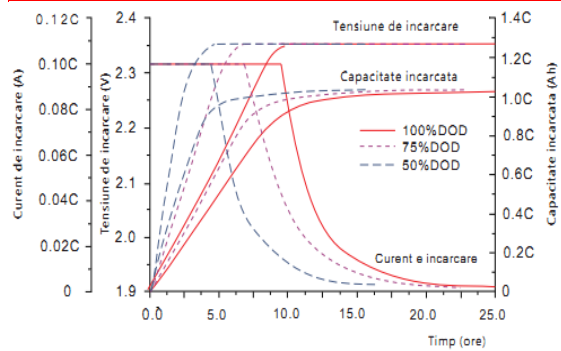
### Tip Borna (mm)



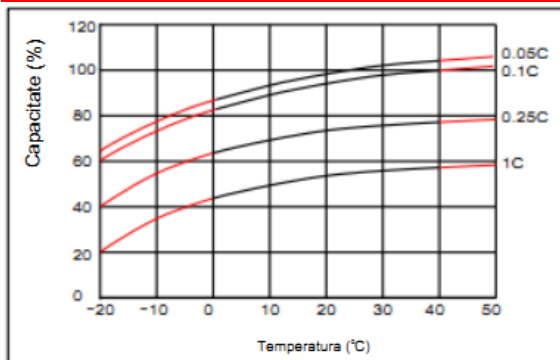
### Caracteristici de descarcare (25°C)



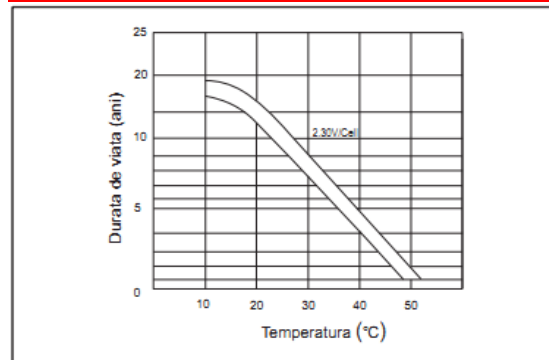
### Caracteristici de incarcare (25°C)



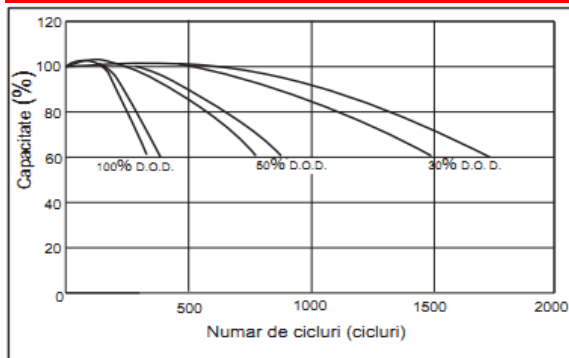
### Efectul temperaturii asupra capacitatii



### Durata de viata in functie de temperatura



### Numar de cicluri vs D.O.D (25°C)



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

