

## Specificatii

Tensiune nominala	12V	
Capacitate nominala (10h)	120Ah	
Dimensiuni	Lungime	407 ± 2mm
	Latime	173 ± 2mm
	Inaltime carcasa	208 ± 2mm
	Inaltime totala (cu borne)	238 ± 2mm
Greutate	Approx 36,0kg	
Tip Borna	FM8	
Material carcasa	ABS	
Capacitate	127,2Ah / 6,36A	20Hr, 1,80V/cell, 25°C
	120,0Ah / 12,0A	10Hr, 1,80V/cell, 25°C
	105,5Ah / 21,1A	5Hr, 1,75V/cell, 25°C
	93,0Ah / 31,0A	3Hr, 1,75V/cell, 25°C
Capacitate	74,2Ah / 74,2A	1Hr, 1,60V/cell, 25°C
	Curent maxim de descarcare 950A (5s)	
Rezistenta interna	Approx 4,0mΩ	
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: <36A. Tensiunea de incarcare: 14,5V ÷ 15,0V la 25°C. Coef. de corectie cu temperatura: -30mV / °C	
	Curent initial de incarcare: <36A. 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%
Autodescercare la 25°C	3 luni	Capacitate remanenta: 91%
	6 luni	Capacitate remanenta: 82%
	12 luni	Capacitate remanenta: 65%

## Gama FS / FS12-120

### Utilizari si caracteristici

Tehnologie: VRLA

Surse neintreruptibile 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: 10-12 ani

Eurobat: High Performance

Bateriile din gama FOTON FS pot fi stocate

pina la 6 luni la 25°C dupa care este

recomandata o incarcare de improsptare

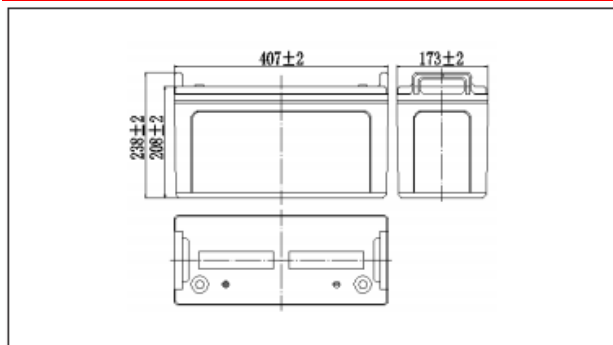
### Descarcare cu curent constant (Amperi) la 25°C

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	262	202	121	74.2	43.8	31.6	25.2	21.5	14.8	12.2	6.47
9.90V	254	197	118	73.0	43.6	31.4	25.1	21.4	14.7	12.2	6.46
10.2V	243	190	115	71.2	43.2	31.2	24.9	21.3	14.6	12.2	6.44
10.5V	233	183	112	69.0	42.6	31.0	24.7	21.1	14.5	12.1	6.40
10.8V	220	173	108	66.7	41.5	30.0	24.0	20.5	14.1	12.0	6.36

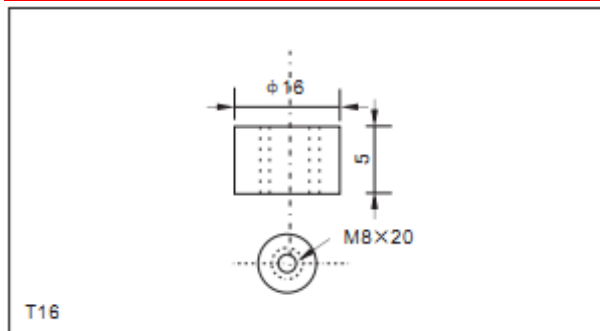
### Descarcare cu putere constanta (Watts/bloc) la 25°C

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	2825	2214	1353	845	508	371	297	255	176	146	77.7
9.90V	2741	2160	1326	833	505	369	295	253	175	146	77.5
10.2V	2628	2081	1285	812	500	367	293	251	174	145	77.3
10.5V	2514	2010	1254	786	493	364	291	250	172	144	76.9
10.8V	2373	1904	1208	761	408	353	282	242	167	143	76.3

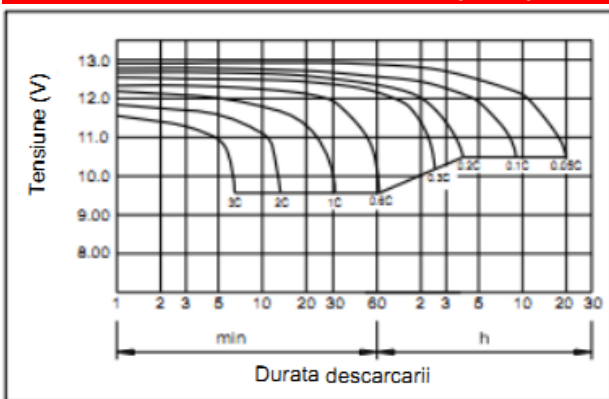
### Dimensiuni exterioare (mm)



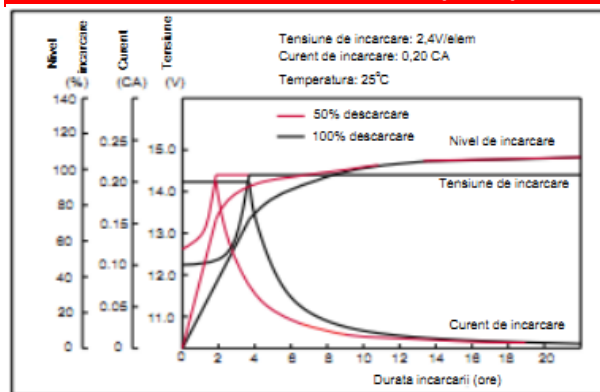
### Tip Borna (mm)



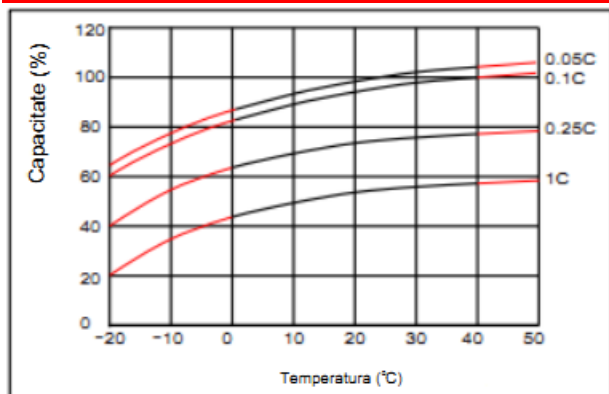
### Caracteristici de descarcare (25°C)



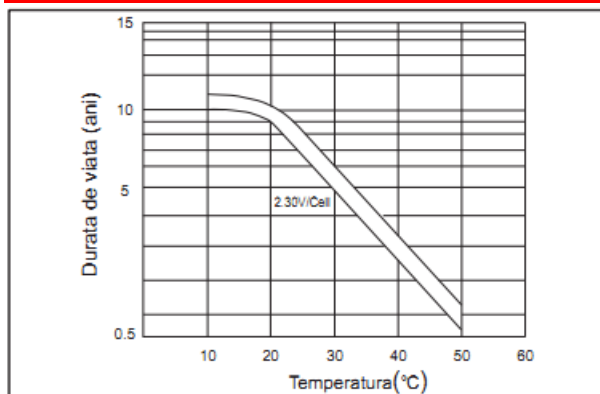
### Caracteristici de incarcare (25°C)



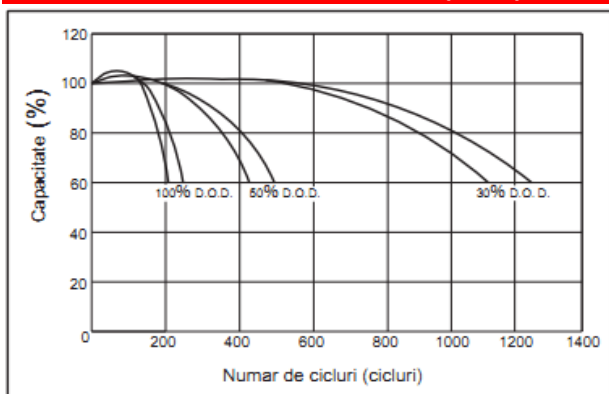
### Efectul temperaturii asupra capacitatii



### Durata de viata in functie de temperatura



### Numar de cicluri vs D.O.D (25°C)



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

