

## Gama FL / FL12-45



### Specificatii

Tensiune nominala	12V	
Capacitate nominala (10h)	45Ah	
Dimensiuni	Lungime	197 ± 2mm
	Latime	165 ± 2mm
	Inaltime carcasa	170 ± 2mm
	Inaltime totala (cu borne)	170 ± 2mm
Greutate	Approx 13,8kg	
Tip Borna	FM6	
Material carcasa	ABS	
Capacitate	47,8Ah / 2,39A	20Hr, 1,80V/cell, 25°C
	45,0Ah / 4,5A	10Hr, 1,80V/cell, 25°C
	39,6Ah / 7,92A	5Hr, 1,75V/cell, 25°C
	34,8Ah / 11,6A	3Hr, 1,75V/cell, 25°C
	27,8Ah / 27,8A	1Hr, 1,60V/cell, 25°C
Curent maxim de descarcare	400A (5s)	
Rezistenta interna	Approx 7,5mΩ	
Interval temp. de utilizare	Descarcare: -20 ÷ 50°C	
	Incarcare: -20 ÷ 50°C Depozitare: -20 ÷ 50°C	
Temp. nominala de utilizare	25 ± 3°C	
Utilizare ciclica	Curent initial de incarcare: <13,5A. Tensiunea de incarcare: 14,5V ÷ 15,0V la 25°C. Coef. de corectie cu temperatura: -30mV /	
Utilizare tampon (stand-by)	Curent initial de incarcare: <13,5A. Tensiunea de incarcare: 13,5V ÷ 13,8V at 25°C. Coef. de corectie cu temperatura: -18mV /	
Influenta temperaturii asupra capacitatii	40°C	102%
	25°C	100%
	0°C	85%
Autodescarcare la 25°C	1 lun	Capacitate remanenta: 91%
	3 luni	Capacitate remanenta: 82%
	6 luni	Capacitate remanenta: 60%

### Utilizari si caracteristici

Tehnologie: VRLA-AGM

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: 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 improspatare

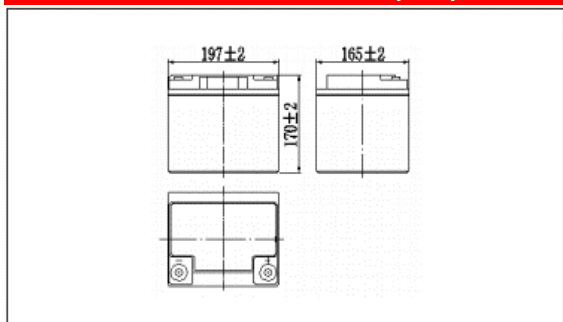
### Descarcare cu curent constant (Amperi) la 25°C

Ufinal/Timp	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	98.1	75.6	45.2	27.8	16.4	11.8	9.46	8.08	5.55	4.58	2.43
9.90V	95.2	73.8	44.3	27.4	16.3	11.8	9.40	8.03	5.52	4.57	2.42
10.2V	91.2	71.1	43.0	26.7	16.2	11.7	9.33	7.98	5.48	4.56	2.42
10.5V	87.3	68.6	41.9	25.9	16.0	11.6	9.27	7.92	5.45	4.53	2.40
10.8V	82.4	65.0	40.4	25.0	15.6	11.3	8.99	7.68	5.28	4.50	2.39

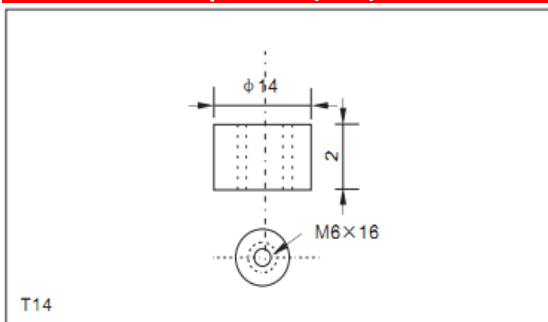
### Descarcare cu putere constanta (Watts/bloc) la 25°C

Ufinal/Timp	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	1059	830	507	317	190	139	111	95.5	66.0	54.7	29.1
9.90V	1028	810	497	312	189	138	111	94.9	65.6	54.6	29.1
10.2V	985	780	482	304	188	137	110	94.3	65.1	54.4	29.0
10.5V	943	754	470	295	185	137	109	93.6	64.7	54.1	28.8
10.8V	890	714	453	285	180	132	106	90.8	62.7	53.7	28.6

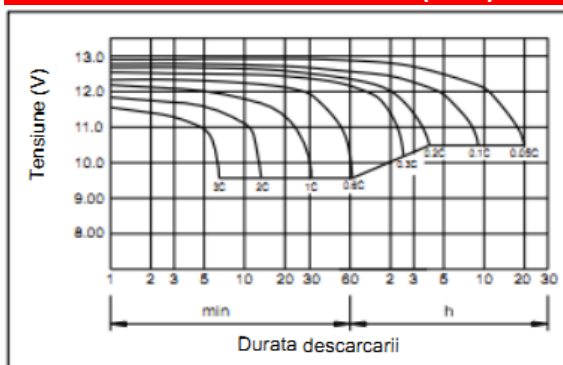
### Dimensiuni exterioare (mm)



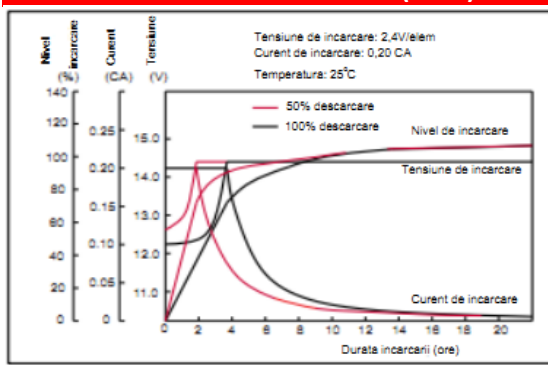
### Tip Borna (mm)



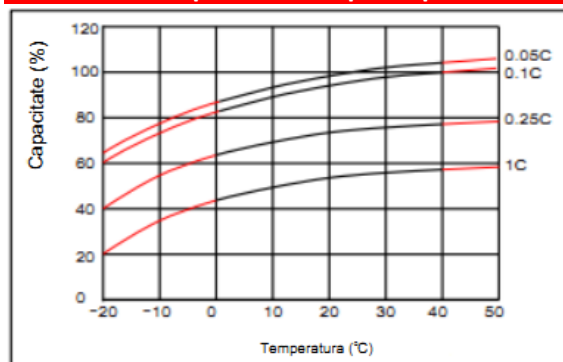
### Caracteristici de descarcare (25°C)



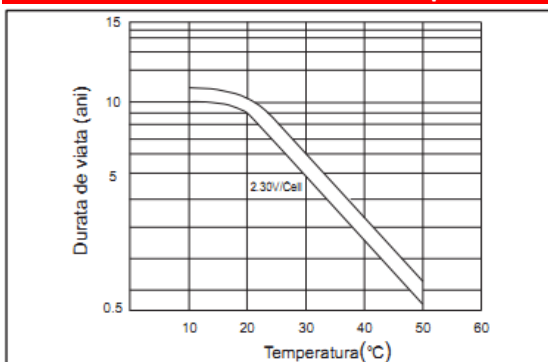
### Caracteristici de incarcare (25°C)



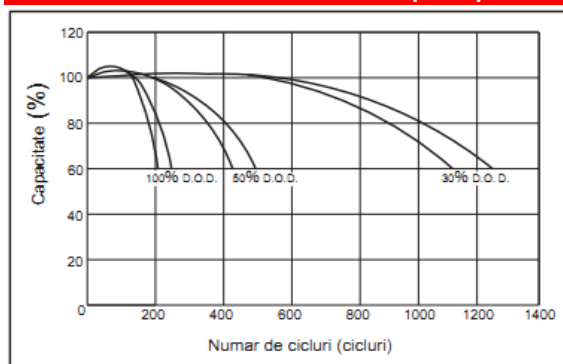
### Efectul temperaturii asupra capacitatii



### Durata de viata in functie de temperatura



### Numar de cicluri vs D.O.D (25°C)



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

