

## Specificatii

Tensiune nominala	12V	
Capacitate nominala (10h)	42Ah	
Dimensiuni	Lungime	197 ± 2mm
	Latime	165 ± 2mm
	Inaltime carcasa	170 ± 2mm
	Inaltime totala (cu borne)	170 ± 2mm
Greutate	Approx 13,5kg	
Tip Borna	FM6	
Material carcasa	ABS	
Capacitate	44,6Ah / 2,23A	20Hr, 1,80V/cell, 25°C
	42,0Ah / 4,20A	10Hr, 1,80V/cell, 25°C
	36,95Ah / 7,39A	5Hr, 1,75V/cell, 25°C
	32,4Ah / 10,8A	3Hr, 1,75V/cell, 25°C
	26,0Ah / 26,0A	1Hr, 1,60V/cell, 25°C
Curent maxim de descarcare	400A (5s)	
Rezistenta interna	Approx 8,0mΩ	
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: <12,0A. Tensiunea de incarcare: 14,5V ÷ 15,0V la 25°C. Coef. de corectie cu temperatura: -30mV /	
	Curent initial de incarcare: <12,0A. Tensiunea de incarcare: 13,5V ÷ 13,8V at 25°C. Coef. de corectie cu temperatura: -18mV /	
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 FD / FD12-40



## 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

Echipamente cu functionare ciclica

Instalatii solare si eoliene

EN 60896-21,-22

Durata de viata proiectata: 10-12 ani

Eurobat: High Performance

Bateriile din gama FOTON FS pot fi stocate

pana la 6 luni la 25°C dupa care este

recomandata o incarcare de improspatare

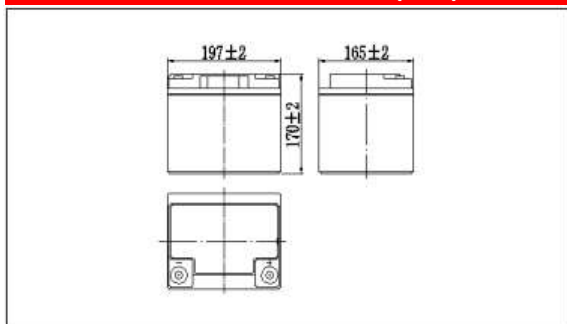
## Descarcare cu curent constant (Amperi) la 25°C

Ufinal/timp	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	91.6	70.6	42.2	26.0	15.3	11.1	8.83	7.54	5.18	4.28	2.27
9.90V	88.8	68.9	41.4	25.6	15.3	11.0	8.77	7.50	5.15	4.27	2.26
10.2V	85.2	66.3	40.1	24.9	15.1	10.9	8.71	7.44	5.12	4.25	2.25
10.5V	81.5	64.1	39.1	24.1	14.9	10.8	8.65	7.39	5.08	4.23	2.24
10.8V	76.9	60.7	37.7	23.4	14.5	10.5	8.39	7.17	4.93	4.20	2.23

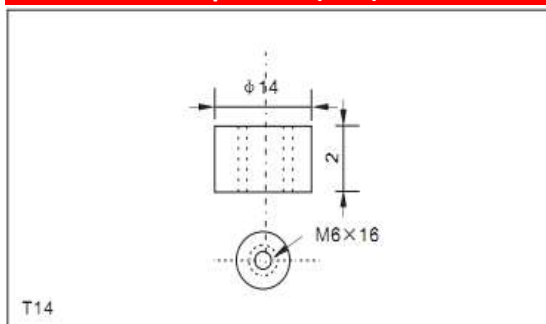
## Descarcare cu putere constanta (Watts/bloc) la 25°C

Ufinal/timp	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	989	775	474	296	178	130	104	89.1	61.6	51.1	27.2
9.90V	959	756	464	291	177	129	103	88.6	61.2	51.0	27.1
10.2V	920	728	450	284	175	128	102	88.0	60.8	50.8	27.1
10.5V	880	703	439	275	172	127	102	87.4	60.4	50.5	26.9
10.8V	831	666	423	266	168	124	98.7	84.8	58.6	50.1	26.7

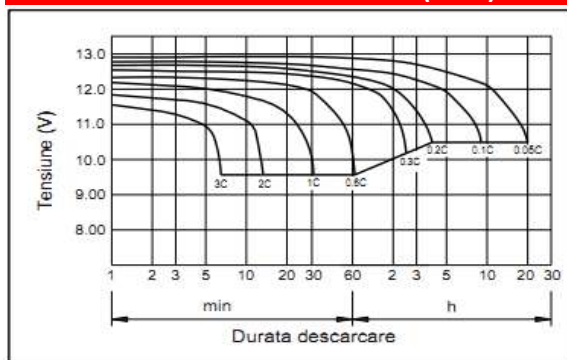
### Dimensiuni exterioare (mm)



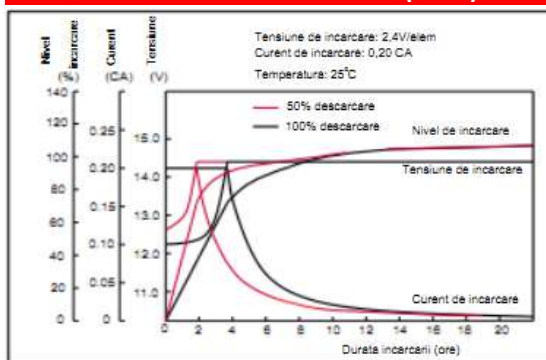
### Tip Borna (mm)



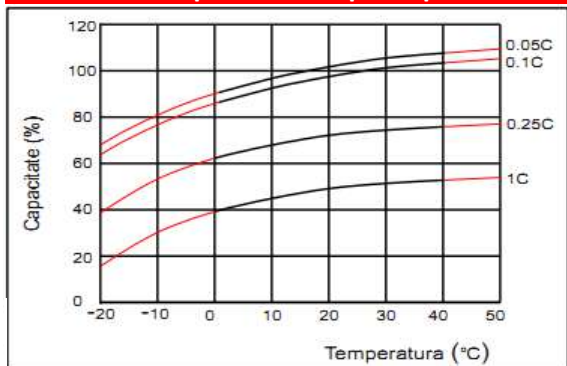
### Caracteristici de descarcare (25°C)



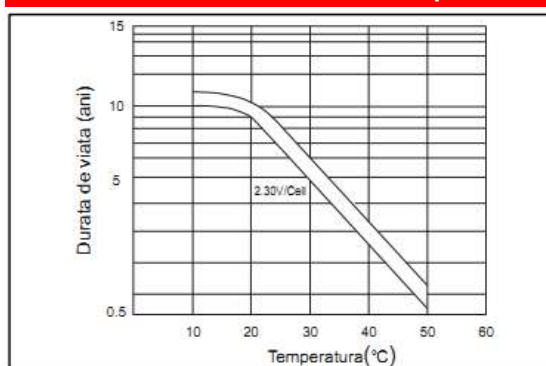
### Caracteristici de incarcare (25°C)



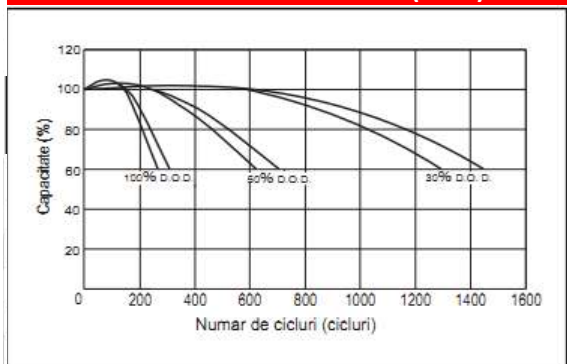
### Efectul temperaturii asupra capacitatii



### Durata de viata in functie de temperatura



### Numar de cicluri vs D.O.D (25°C)



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

