

Gama FS / FS4-4.5



Poza cu titlu de prezentare

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

Specificatii

Tensiune nominala	4V		
Capacitate nominala (20h)	4,5Ah		
Dimensiuni	Lungime	52.5 ± 1,5mm	
	Latime	48 ± 1mm	
	Inaltime carcasa	94 ± 1mm	
	Inaltime totala (cu borne)	100 ± 1mm	
Greutate	Aprox. 0,60kg		
Tip Borna	T1		
Material carcasa	ABS		
Capacitate	4,6Ah / 0,20A	20Hr, 1,75V/cell, 25°C	
	4,2Ah / 0,42A	10Hr, 1,75V/cell, 25°C	
	3,85Ah / 0,77A	5Hr, 1,75V/cell, 25°C	
	3,27Ah / 1,09A	3Hr, 1,75V/cell, 25°C	
Capacitate	2,95Ah / 2,95A	1Hr, 1,60V/cell, 25°C	
	2,95Ah / 2,95A	1Hr, 1,60V/cell, 25°C	
Curent maxim de descarcare	68A (5s)		
Rezistenta interna	Approx 15mΩ		
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: <1,35A. Tensiunea de incarcare: 4,80V ÷ 5V la 25°C. Coef. de corectie cu temperatura: -10mV / °C		
Utilizare tampon (stand-by)	Curent initial de incarcare: <1,35A. Tensiunea de incarcare: 4.50V ÷ 4,60V at 25°C. Coef. de corectie cu temperatura: -6mV / °C		
Influenta temperaturii asupra capacitatii	40°C	102%	25°C 100%
	0°C	85%	-15°C 65%
Autodescercare la 25°C	3 luni	Capacitate remanenta: 91%	
	6 luni	Capacitate remanenta: 82%	
	12 luni	Capacitate remanenta: 65%	

Descarcare cu curent constant (Amperi) la 25°C

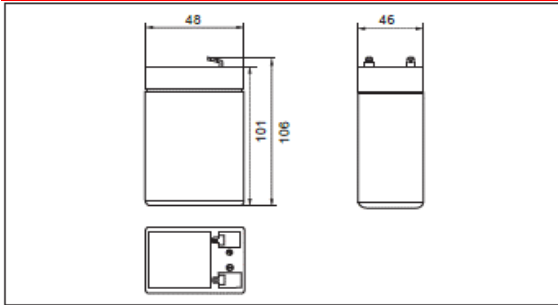
Ufinal/Timp	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	17.2	10.9	8.51	4.79	2.95	1.61	1.12	0.92	0.78	0.43	0.23
4.95V	16.7	10.6	8.30	4.70	2.90	1.60	1.11	0.92	0.78	0.42	0.23
5.10V	16.0	10.1	7.99	4.55	2.83	1.59	1.10	0.91	0.77	0.42	0.23
5.25V	15.3	9.69	7.72	4.44	2.77	1.56	1.09	0.90	0.77	0.42	0.23
5.40V	14.4	9.15	7.31	4.28	2.69	1.52	1.06	0.88	0.75	0.41	0.22

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

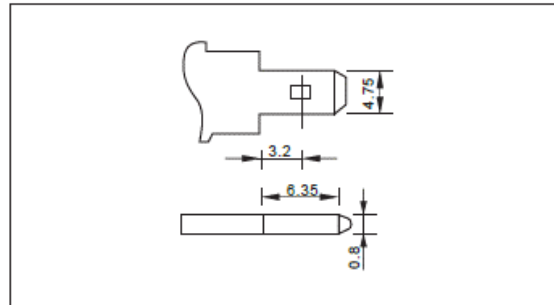
Ufinal/Timp	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	63.9	40.9	32.3	18.3	11.4	6.29	4.42	3.66	3.12	1.70	0.91
4.95V	62.0	39.7	31.5	17.9	11.2	6.25	4.39	3.64	3.11	1.70	0.91
5.10V	59.5	38.1	30.4	17.4	10.9	6.20	4.36	3.62	3.08	1.69	0.91
5.25V	56.9	36.4	29.3	17.0	10.7	6.10	4.33	3.59	3.06	1.68	0.90
5.40V	53.7	34.4	27.8	16.3	10.4	5.95	4.20	3.48	2.97	1.65	0.88

Valorile se pot modifica fără înștiințare prealabilă.

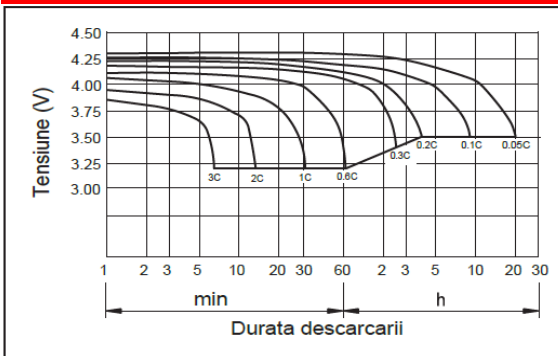
Dimensiuni exterioare (mm)



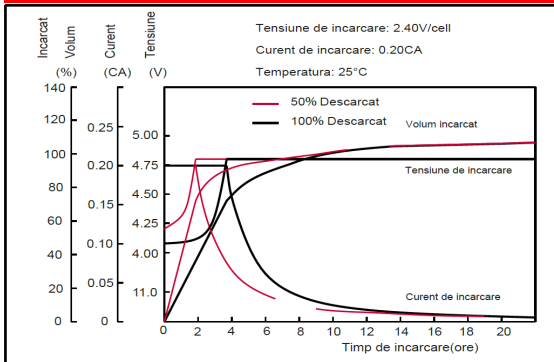
Tip Borna (mm)



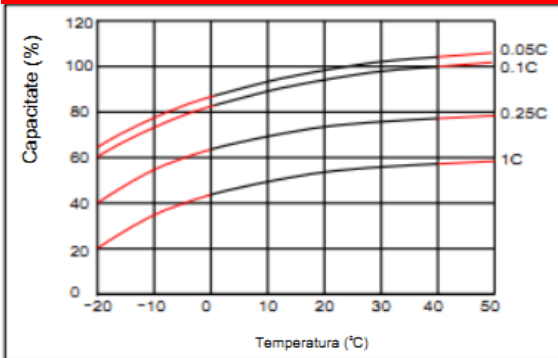
Caracteristici de descarcare (25°C)



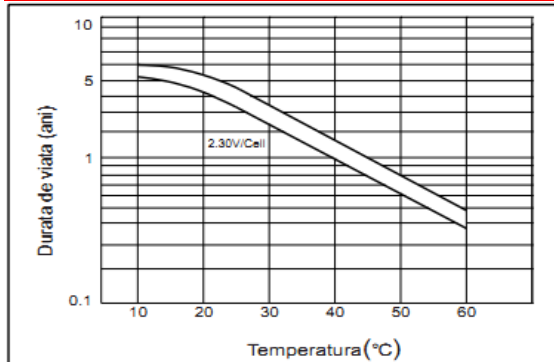
Caracteristici de incarcare (25°C)



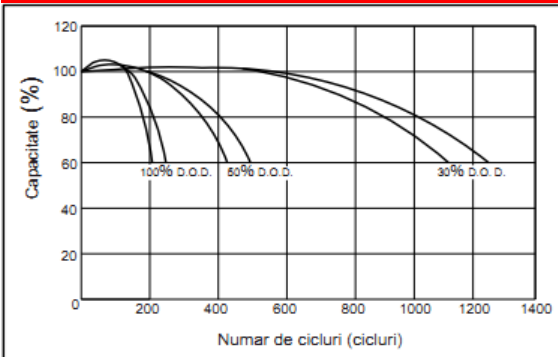
Efectul temperaturii asupra capacitatii



Durata de viata in functie de temperatura



Numar de cicluri vs D.O.D (25°C)



Relatia tensiune la borne / capacitate (25°C)

