

Specificatii

Tensiune nominala	12V	
Capacitate nominala (10h)	100Ah	
Dimensiuni	Lungime	395 ± 2mm
	Latime	110 ± 2mm
	Inaltime carcasa	288 ± 2mm
	Inaltime totala (cu borne)	288 ± 2mm
Greutate	Approx 32,0kg	
Tip Borna	FT-FM8	
Material carcasa	ABS	
Capacitate	107,8Ah / 5,90A	20Hr, 1,80V/cell, 25°C
	100,0Ah / 10,0A	10Hr, 1,80V/cell, 25°C
	90,5Ah / 18,1A	5Hr, 1,75V/cell, 25°C
	80,1Ah / 26,7A	3Hr, 1,75V/cell, 25°C
	66,1Ah / 66,1A	1Hr, 1,60V/cell, 25°C
Curent maxim de descarcare	895A (3s)	
Rezistenta interna	Approx 4,5mΩ	
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: <20A. Tensiunea de incarcare: 14,1V ÷ 14,5V la 25°C. Coef. de corectie cu temperatura: -21mV / °C	
	Curent initial de incarcare: <20A. Tensiunea de incarcare: 13,5V ÷ 13,8V at 25°C. Coef. de corectie cu temperatura: -21mV / °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%

Gama FT / FT12-100



Utilizari si caracteristici

Tehnologie: VRLA

Surse neinteruptibile de tensiune (UPS)
Sisteme electrice de alimentare (EPS)
Sisteme de semnalizare aeriene si feroviare
Telecomunicatii
Centrale electrice
Sisteme de alarma si securitate
Surse de alimentare cu C.C.
EN 60896-21,-22
Durata de viata proiectata: 12 ani
Eurobat: Long life
Bateriile din gama FOTON FT pot fi stocate pina la 6 luni la 25°C dupa care este recomandata o incarcare de improspatare

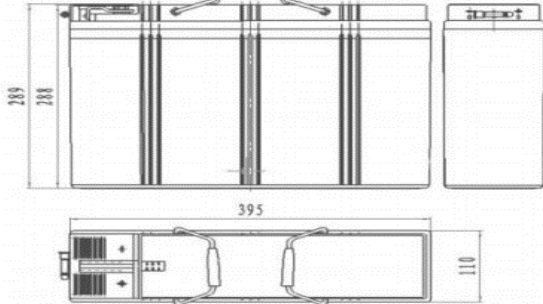
Descarcare cu curent constant (Amperi) la 25°C

U _{final} (V/cell)	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60	274.9	219.9	181.7	124.5	86.8	66.1	39.5	28.41	23.2	18.73	15.95	12.38	10.40	5.58
1.65	256.9	201.4	172.2	116.7	79.8	62.6	38.6	27.62	22.8	18.49	15.95	12.30	10.24	5.53
1.70	236.1	181.2	158.8	108.9	74.0	57.0	37.6	27.06	22.4	18.33	15.71	12.22	10.14	5.50
1.75	217.6	166.1	149.3	104.4	72.1	55.6	37.0	26.75	22.0	18.10	15.56	12.06	10.08	5.46
1.80	194.1	154.3	137.4	95.9	64.8	51.5	36.0	26.27	21.8	17.86	15.40	11.90	10.00	5.39

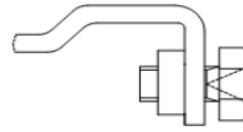
Descarcare cu putere constanta (Watts/celula) la 25°C

(V/cell)	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60	466.7	410.0	345.0	215.0	156.0	132	75.5	55.50	42.30	35.00	30.20	22.70	20.00	10.34
1.65	446.8	390.0	325.0	205.0	151.0	130	74.9	54.80	42.00	34.90	30.00	22.65	19.60	10.30
1.70	424.6	376.0	308.0	198.0	147.0	128	73.9	54.00	41.80	34.70	29.70	22.58	19.00	10.24
1.75	400.0	352.0	293.0	189.0	142.0	124	73.5	53.50	41.50	34.40	29.50	22.50	18.60	10.19
1.80	372.2	331.0	276.0	181.0	137.0	120.0	72.6	53.10	41.20	34.10	29.30	22.40	18.00	10.12

Dimensiuni exterioare (mm)

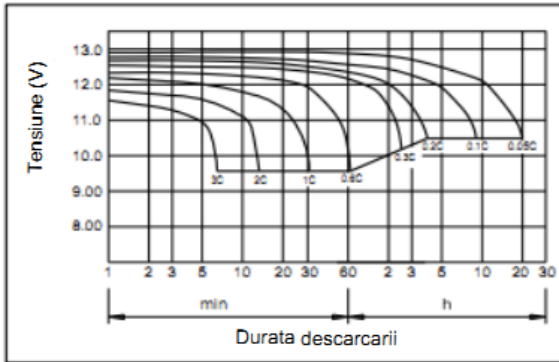


Tip Borna (mm)

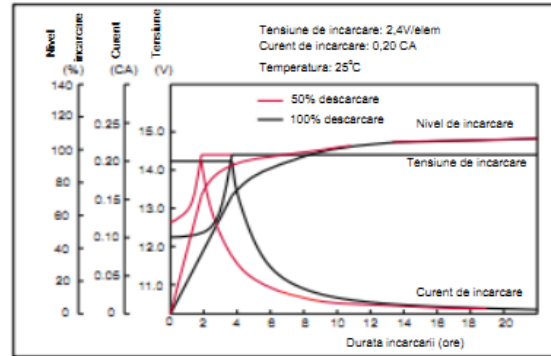


FT-FM8

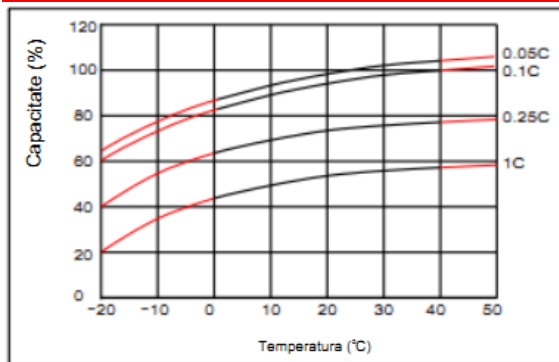
Caracteristici de descarcare (25°C)



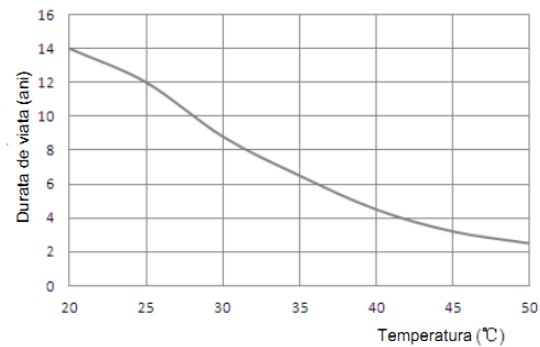
Caracteristici de incarcare (25°C)



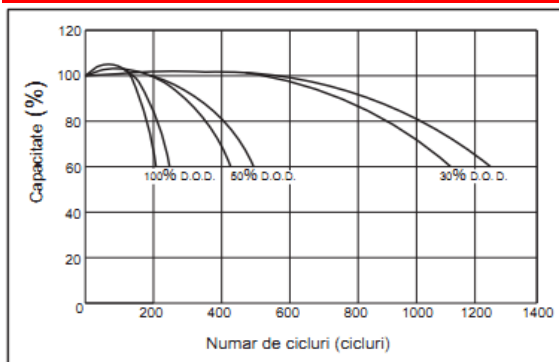
Efectul temperaturii asupra capacitatii



Durata de viata in functie de temperatura



Numar de cicluri vs D.O.D (25°C)



Relatia tensiune la borne / capacitate (25°C)

