

Specificatii

Tensiune nominala	12V	
Capacitate nominala (10h)	18Ah	
Dimensiuni	Lungime	181 ± 2mm
	Latime	77 ± 2mm
	Inaltime carcasa	167 ± 2mm
	Inaltime totala (cu borne)	167 ± 2mm
Greutate	Approx 5,8kg	
Tip Borna	T3/T12	
Material carcasa	ABS	
Capacitate	20Ah / 1,00A	20Hr, 1,75V/cell, 25°C
	18,3Ah / 1,83A	10Hr, 1,75V/cell, 25°C
	16,5Ah / 3,30A	5Hr, 1,75V/cell, 25°C
	14,52Ah / 4,84A	3Hr, 1,75V/cell, 25°C
	12,4Ah / 12,4A	1Hr, 1,60V/cell, 25°C
Curent maxim de descarcare	300A (5s)	
Rezistenta interna	Approx 13mΩ	
Interval temp. de utilizare	Descarcare: -15 ÷ 50°C	
	Incarcare: -10 ÷ 50°C	
	Depozitare: -20 ÷ 50°C	
Temp. nominala de utilizare	25 ± 3°C	
Utilizare ciclica	Curent initial de incarcare: <19,5A. Tensiunea de incarcare:	
	14,4V ÷ 14,7V la 25°C. Coef. de corectie cu temperatura: -30mV	
Utilizare tampon (stand-by)	Curent initial de incarcare: <19,5A. 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%
Autodescercare la 25°C	3 luni	Capacitate remanenta: 91%
	6 luni	Capacitate remanenta: 82%
	12 luni	Capacitate remanenta: 65%

Gama FD / FD12-20



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 FD pot fi stocate pana la 6 luni la 25°C dupa care este recomandata o incarcare de improspatare

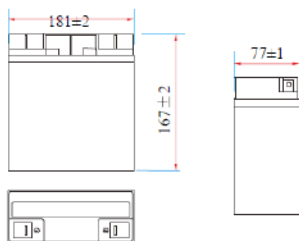
Descarcare cu curent constant (Amperi) la 25°C

F.V/Timp	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	61.6	42.0	35.0	20.4	12.4	7.00	4.94	4.00	3.37	1.86	1.02
9.90V	59.8	40.7	34.2	20.0	12.2	6.96	4.91	3.97	3.35	1.85	1.01
10.2V	57.3	39.1	32.9	19.4	11.9	6.90	4.87	3.95	3.32	1.84	1.01
10.5V	54.8	37.4	31.8	18.9	11.7	6.80	4.84	3.92	3.30	1.83	1.00
10.8V	51.7	35.3	30.1	18.2	11.3	6.62	4.69	3.80	3.20	1.79	0.98

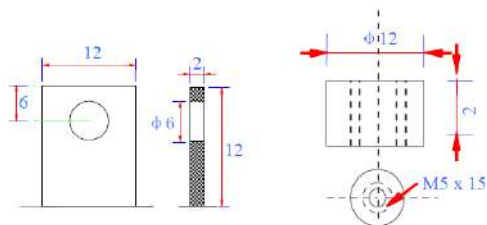
Descarcare cu putere constanta (Watts/bloc) la 25°C

F.V/Timp	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	687	474	399	234	144	81.9	58.6	47.6	40.2	22.3	12.2
9.90V	667	460	389	229	141	81.5	58.3	47.3	40.0	22.2	12.1
10.2V	639	441	375	222	138	80.7	57.9	47.0	39.7	22.1	12.1
10.5V	612	422	362	217	135	79.5	57.5	46.7	39.4	22.0	12.0
10.8V	577	398	343	209	131	77.5	55.8	45.3	38.2	21.5	11.8

Dimensiuni exterioare (mm)



Tip Borna (mm)

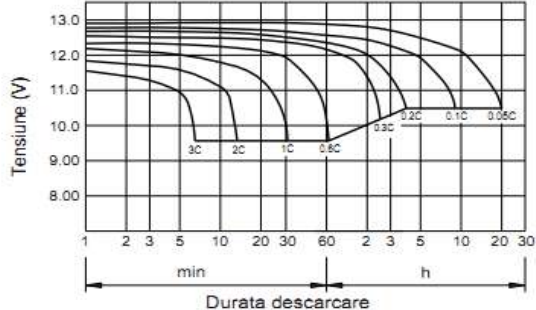


T3

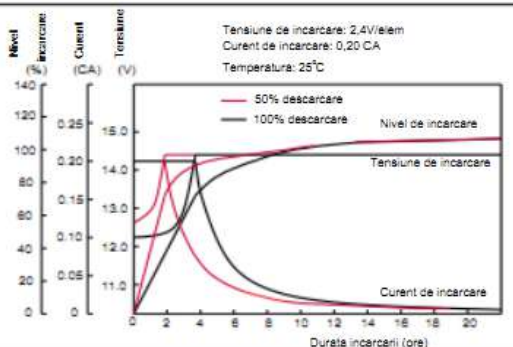
T12

Torque: 3.0±0.6N.m

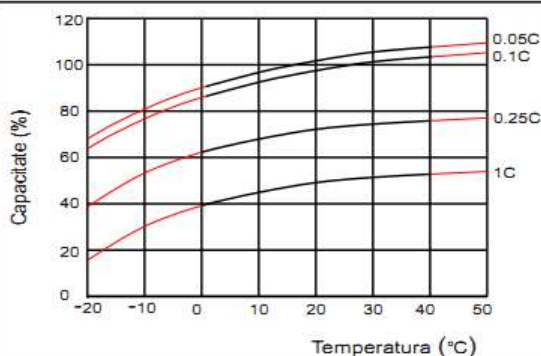
Caracteristici de descarcare (25°C)



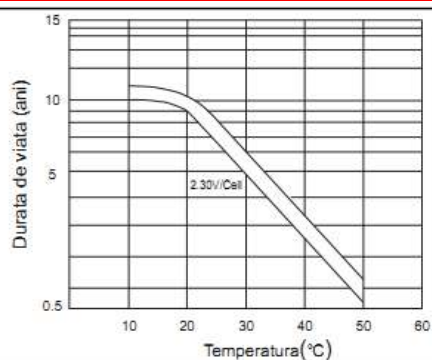
Caracteristici de incarcare (25°C)



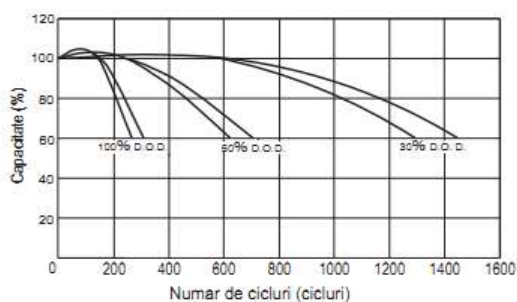
Efectul temperaturii asupra capacitatii



Durata de viata in functie de temperatura



Numar de cicluri vs D.O.D (25°C)



Relatia tensiune la borne / capacitate (25°C)

