Specificatii

Tensiune nominala	12V	
Capacitate nominala (10h)	90Ah	
Dimensiuni	Lungime	306 ± 2mm
	Latime	169 ± 2mm
	Inaltime carcasa	211 ± 2mm
	Inaltime totala (cu borne)	215 ± 2mm
Greutate	Approx 28,5kg	
Tip Borna	FM6	
Material carcasa	ABS	
Capacitate	100,8Ah / 5,04A	20Hr, 1,80V/cell, 25°C
	95,0Ah / 9,50A	10Hr, 1,80V/cell, 25°C
	83,5Ah / 16,7A	5Hr, 1,75V/cell, 25°C
	73,5Ah / 24,5A	3Hr, 1,75V/cell, 25°C
	58,7Ah / 58,7A	1Hr, 1,60V/cell, 25°C
Curent maxim de descarcare	800A (5s)	
Rezistenta interna	Approx 5,0mΩ	
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: <27,0A. Tensiunea de incarcare: 14,5V ÷ 15,0V la 25°C. Coef. de corectie cu temperatura: -30mV /	
Utilizare tampon (stand-by)	Curent initial de incarcare: <27,0A. 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	3 luni	Capacitate remanenta: 91%
	6 luni	Capacitate remanenta: 82%
	12 luni	Capacitate remanenta: 65%

Gama FD / FD12-90

Utilizari si caracteristici

Tehnologie: VRLA

Surse neintreruptibile de tesniune (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 pina la 6 luni la 25°C dupa care este recomandata o incarcare de improspatare

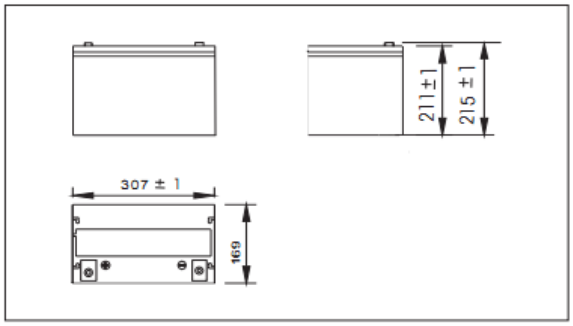
Descarcare cu curent constant (Amperi) la 25°C

Ufinal/timp	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	207	160	95.5	58.7	34.7	25.0	20.0	17.1	11.7	9.67	5.13
9.90V	201	156	93.6	57.8	34.5	24.9	19.8	17.0	11.7	9.65	5.12
10.2V	193	150	90.7	56.4	34.2	24.7	19.7	16.8	11.6	9.62	5.10
10.5V	184	145	88.5	54.6	33.7	24.5	19.6	16.7	11.5	9.57	5.07
10.8V	174	137	85.3	52.8	32.8	23.8	19.0	16.2	11.2	9.50	5.04

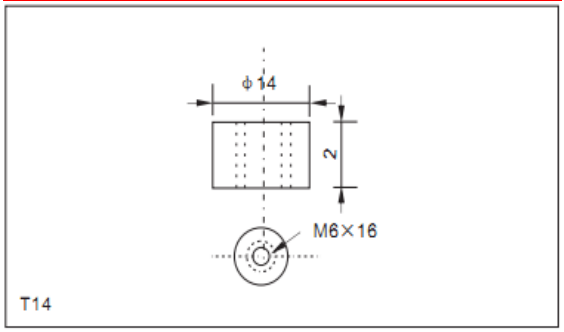
Descarcare cu putere constanta (Watts/bloc) la 25°C

Ufinal/timp	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	2237	1752	1071	669	402	294	235	202	139	115	61.5
9.90V	2170	1710	1050	659	400	292	233	200	138	115	61.4
10.2V	2080	1647	1018	643	396	290	232	199	138	115	61.2
10.5V	1991	1591	993	622	390	288	230	198	137	114	60.8
10.8V	1879	1507	957	602	380	280	223	192	132	113	60.4

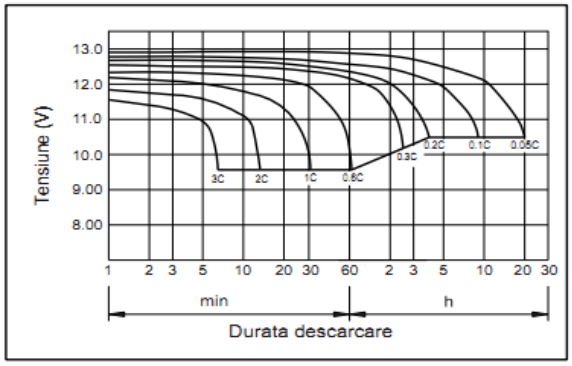
Dimensiuni exterioare (mm)



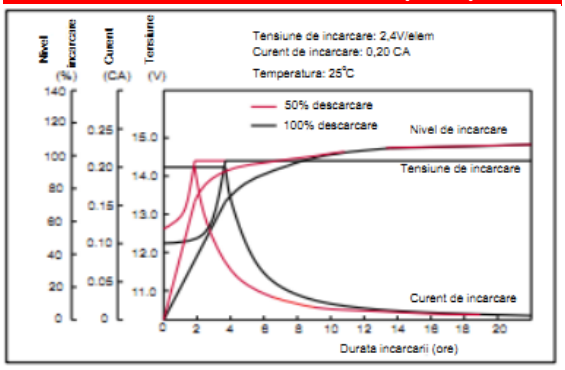
Tip Borna (mm)



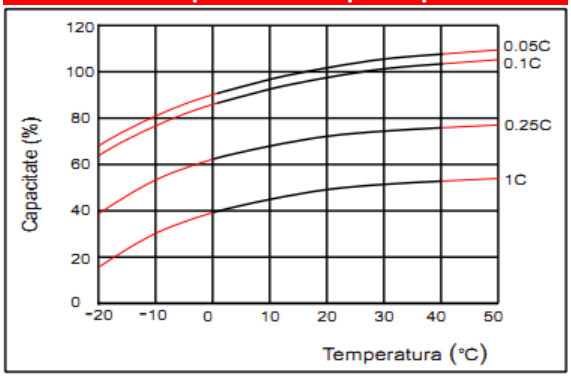
Caracteristici de descarcare (25°C)



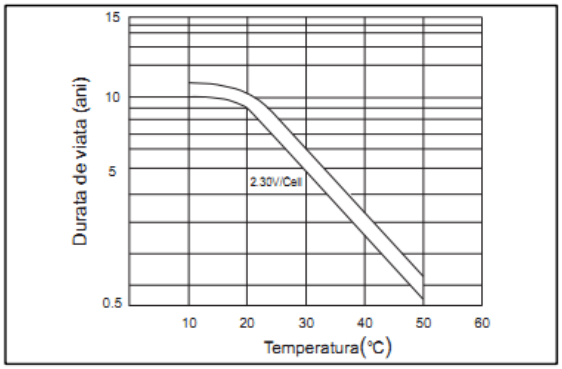
Caracteristici de incacare (25°C)



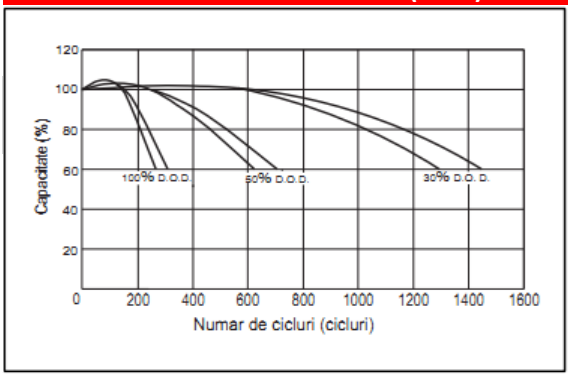
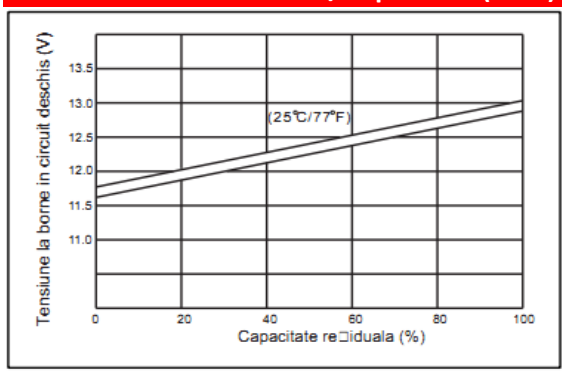
Efectul temperaturii asupra capacitatii



Durata de viata in functie de temperatura



Numar de cicluri vs D.O.D (25°C)



Relatia tensiune la borne / capacitate (25°C)