

Specificatii

Tensiune nominala	12V	
Capacitate nominala (15 min)	160W / celula	
Dimensiuni	Lungime	197 ± 2mm
	Latime	165 ± 2mm
	Inaltime carcasa	170 ± 2mm
	Inaltime totala (cu borne)	170 ± 2mm
Greutate	Approx 14,3kg	
Borne	T14 - FM6	
Material carcasa	ABS	
Capacitate	48,0Ah / 2,40A	20Hr, 1,80V/celula, 25oC
	45,00Ah / 4,50A	10Hr, 1,80V/celula, 25oC
	34,80Ah / 11,60A	3Hr, 1,75V/celula, 25oC
	29,40Ah / 29,40A	1Hr, 1,60V/celula, 25oC
	160W / celula	15 min, 1,67V/celula, 25°C
Curent maxim de descarcare	400A (5s)	
Rezistenta interna	Approx 7mΩ	
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: <12,8A. Tensiunea de incarcare:	
	14,5V ÷ 15,0V la 25°C. Coef. de corectie cu temperatura: -30mV /	
Utilizare tampon (stand-by)	Curent initial de incarcare: <12,8A. 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 FH / FH12-45 (FH12160W)



Utilizari si caracteristici

Tehnologie: VRLA

Uninterruptible Power Supply (UPS)

Electric Power System (EPS)

Sisteme de semnalizare feroviare si aeriene

Iluminat de siguranta

Statii de alimentare electrica

Sisteme de alarma si securitate

Surse de alimentare cu C.C.

EN 60896-21,-22

Durata de viata proiectata: 10-12 ani

Eurobat: Long-life

Bateriile din gama FOTON FH pot fi stocate

pina la 6 luni la 25°C dupa care este

recomandata o incarcare de impropstrare

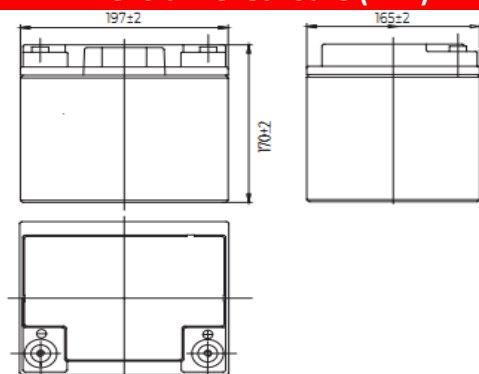
Descarcare cu curent constant (Amperi) la 25°C

Uf/timp	10min	15min	20min	30min	45min	60min	2h	3h	4h	5h	6h
1.60V/cell	111.38	91.57	69.08	48.88	36.10	29.40	16.40	11.80	9.50	8.26	7.07
1.67V/cell	107.10	88.79	66.26	47.37	34.90	28.70	16.30	11.70	9.42	8.19	7.01
1.70V/cell	103.99	86.00	64.94	46.46	34.30	28.30	16.20	11.60	9.38	8.16	6.98
1.75V/cell	99.60	83.11	62.72	45.35	33.40	27.70	16.00	11.60	9.32	8.10	6.93
1.80V/cell	93.93	78.72	59.39	43.63	32.20	26.80	15.60	11.20	9.04	7.86	6.72

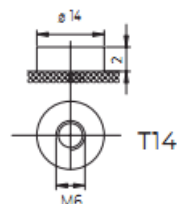
Descarcare cu putere constanta (Watts/celula) la 25oC

Uf/Timp	10min	15min	20min	30min	45min	60min	2h	3h	4h	5h	6h
1.60V/cell	203.91	166.65	132.00	94.44	69.60	56.80	32.10	23.20	18.70	16.40	14.00
1.67V/cell	195.59	160.00	127.00	91.41	67.40	55.40	31.80	23.00	18.60	16.20	13.90
1.70V/cell	190.39	156.55	124.00	89.69	66.20	54.50	31.60	22.90	18.50	16.20	13.80
1.75V/cell	182.07	151.50	120.00	87.47	64.60	53.50	31.10	22.80	18.40	16.00	13.70
1.80V/cell	171.66	143.42	113.00	84.34	62.20	51.80	30.30	22.10	17.80	15.60	13.30

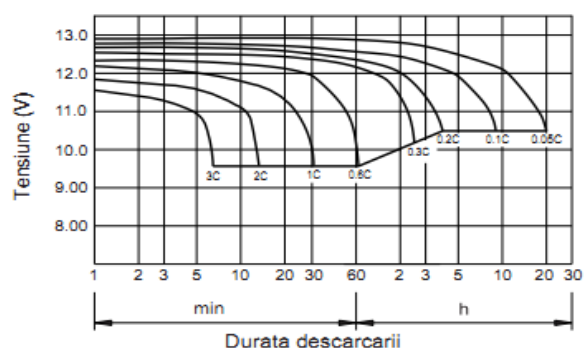
Dimensiuni exterioare (mm)



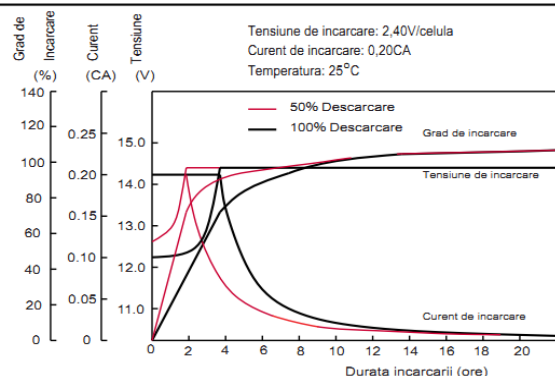
Tip borne (mm)



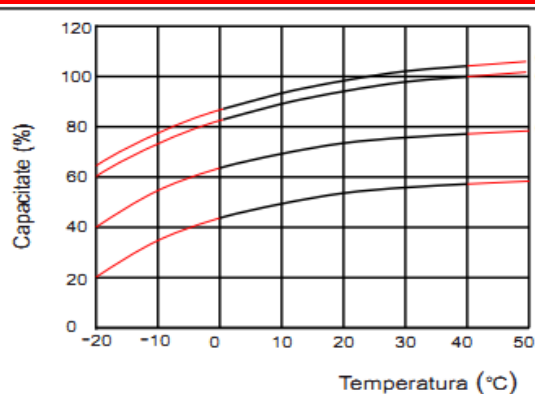
Caracteristici de descarcare (25°C)



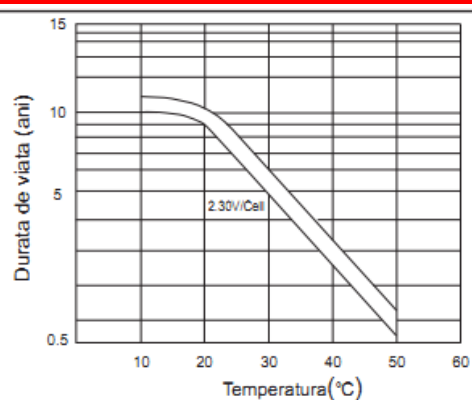
Caracteristici de încărcare (25°C)



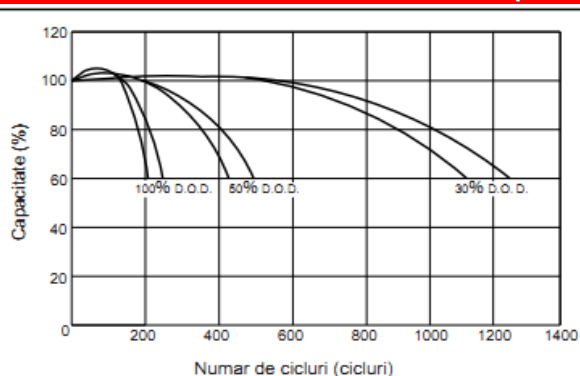
Efectul temperaturii asupra capacității



Durata de viață vs temperatura



Nr de cicluri vs adâncime de descărcare (25°C)



Capacitate vs tensiune la borne (25°C)

