

## Specificatii

Tensiune nominala	12V	
Capacitate nominala (15 min)	100W / celula	
Dimensiuni	Lungime	166 ± 2mm
	Latime	175 ± 2mm
	Inaltime carcasa	125 ± 2mm
	Inaltime totala (cu borne)	125 ± 2mm
Greutate	Approx 8,8kg	
Borne	T12	
Material carcasa	ABS	
Capacitate	28,0Ah / 1,40A	20Hr, 1,80V/celula, 25oC
	23,00Ah / 4,60A	5Hr, 1,75V/celula, 25oC
	19,98Ah / 6,66A	3Hr, 1,75V/celula, 25oC
	17,00Ah / 17,00A	1Hr, 1,60V/celula, 25oC
	100W / celula	15 min, 1,67V/celula, 25°C
Curent maxim de descarcare	300A (5s)	
Rezistenta interna	Approx 9mΩ	
Interval temp. de utilizare	Descarcare: -20 ÷ 50°C	
	Incarcare: -20 ÷ 50°C	
	Depozitare: -20 ÷ 50°C	
Temp. nominala de utilizare	25 ± 3°C	
Utilizare ciclica	Curent initial de incarcare: <8,4A. Tensiunea de incarcare: 14,5V ÷ 15,0V la 25°C. Coef. de corectie cu temperatura: -30mV / °C	
Utilizare tampon (stand-by)	Curent initial de incarcare: <8,4A. Tensiunea de incarcare: 13,5V ÷ 13,8V at 25°C. Coef. de corectie cu temperatura: -18mV / °C	
Influenta temperaturii asupra capacitatii	40°C	102%
	25°C	100%
	0°C	85%
Autodescarcare la 25°C	1 luna	Capacitate remanenta: min. 97%
	3 luni	Capacitate remanenta: min. 91%
	6 luni	Capacitate remanenta: min. 82%
	12 luni	Capacitate remanenta: min. 64%

## Gama FH / FH12-28



## Utilizari si caracteristici

Tehnologie: VRLA-AGM

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: 5 ani

Eurobat: Standard Comercial

Bateriile din gama FOTON FH pot fi stocate

pina la 6 luni la 25°C dupa care este

recomandata o incarcare de improspatare

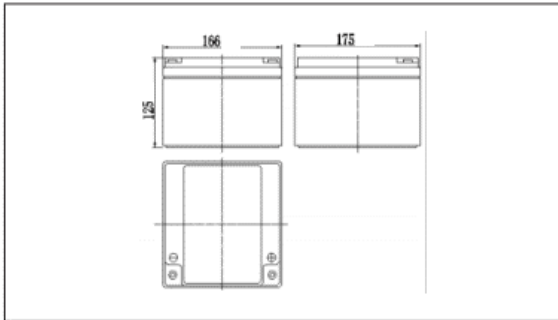
## Descarcare cu curent constant (Amperi) la 25°C

Ufinal / timp	5min	10min	15min	20min	30min	45min	60min	2h	3h	4h	5h
1.60V/cell	108	66.8	52.5	41.5	28.1	20.8	17.0	9.55	6.79	5.46	4.69
1.67V/cell	104	63.8	50.6	39.8	27.2	20.2	16.6	9.47	6.73	5.41	4.65
1.70V/cell	101	62.1	49.3	39.0	26.7	19.8	16.4	9.41	6.70	5.39	4.63
1.75V/cell	96.5	59.4	47.6	37.7	26.1	19.3	16.0	9.27	6.66	5.36	4.60
1.80V/cell	91.1	56.1	45.1	35.7	25.1	18.6	15.5	9.04	6.46	5.20	4.46

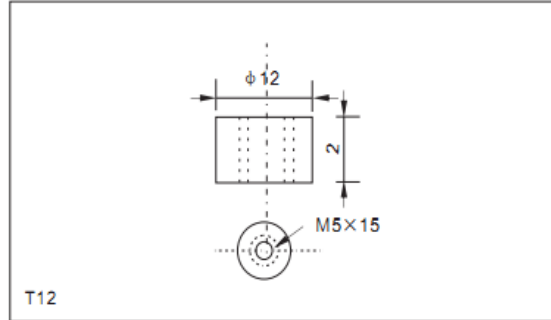
## Descarcare cu putere constanta (Watts/celula) la 25oC

Ufinal / timp	5min	10min	15min	20min	30min	45min	60min	2h	3h	4h	5h
1.60V/cell	208	130	104	82.2	55.7	41.2	33.7	19.0	13.6	11.0	9.44
1.67V/cell	199	124	100	78.9	53.9	39.9	32.9	18.8	13.5	10.9	9.35
1.70V/cell	194	121	97.6	77.3	52.9	39.2	32.4	18.7	13.5	10.8	9.31
1.75V/cell	185	115	94.3	74.6	51.6	38.2	31.7	18.4	13.4	10.8	9.25
1.80V/cell	175	109	89.3	70.7	49.7	36.8	30.8	18.0	13.0	10.4	8.97

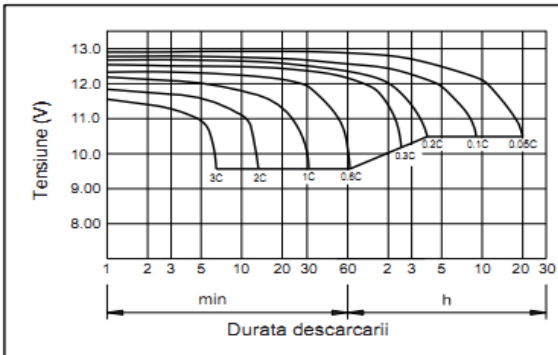
### Dimensiuni exetrioare (mm)



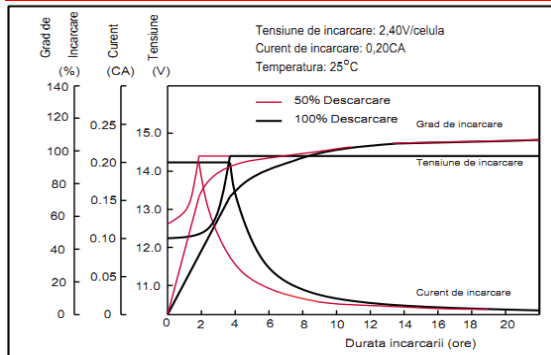
### Tip borne (mm)



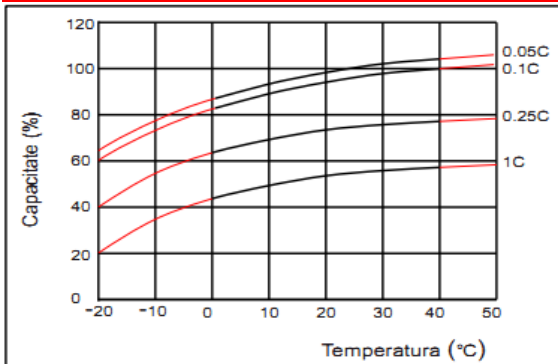
### Caracteristici de descarcare (25°C)



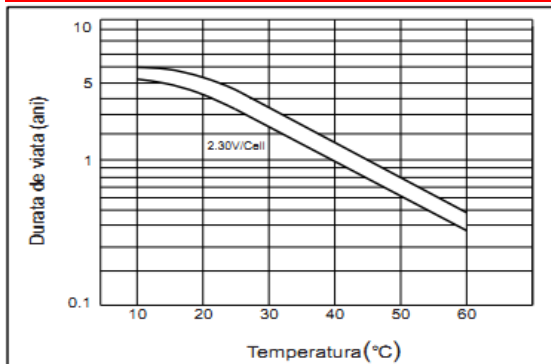
### Caracteristici de incarcare (25°C)



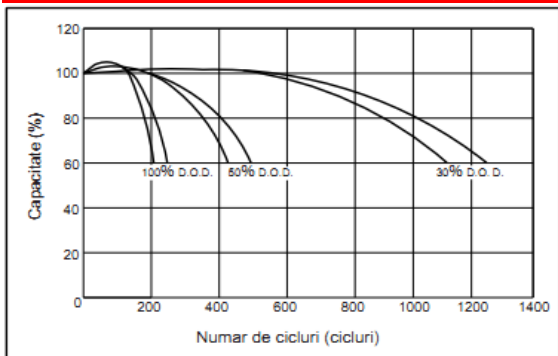
### Efectul temperaturii asupra capacitatii



### Durata de viata vs temperatura



### Nr de cicluri vs adincime de descarcare (25°C)



### Capacitate vs tensiune la borne (25°C)

