

### Specificatii

Tensiune nominala	12V	
Capacitate nominala (10h)	165Ah	
Dimensiuni	Lungime	497 ± 2mm
	Latime	203 ± 2mm
	Inaltime carcasa	228 ± 2mm
	Inaltime totala (cu borne)	237 ± 2mm
Greutate	Approx 55,0kg	
Tip Borna	FM8	
Material carcasa	ABS	

### Gama FL / FL12-165



### 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

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 FS pot fi stocate

pina la 6 luni la 25°C dupa care este

recomandata o incarcare de improspatare

Capacitate	165,0Ah / 16,5A	10Hr, 1,80V/cell, 25°C
	150,0Ah / 30,0A	5Hr, 1,75V/cell, 25°C
	136,8Ah / 45,6A	3Hr, 1,75V/cell, 25°C
	236,0Ah / 236,0A	1Hr, 1,60V/cell, 25°C
Curent maxim de descarcare	1810A (5s)	
Rezistenta interna	Approx 2,70mΩ	
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: <49,5A. Tensiunea de incarcare: 14,5V ÷ 15,0V la 25°C. Coef. de corectie cu temperatura: -30mV /	
	Curent initial de incarcare: <49,5A. Tensiunea de incarcare: 13,5V ÷ 13,8V at 25°C. Coef. de corectie cu temperatura: -18mV /	
Utilizare tampon (stand-by)	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%

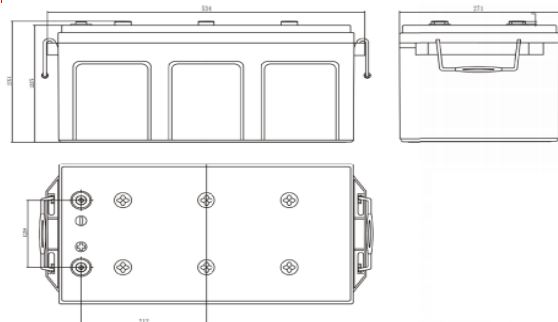
### Descarcare cu curent constant (Amperi) la 25°C

Timp U final (V/cell)	min							h						
	5	10	15	20	25	30	45	1	1.5	2	3	5	6	10
1.60	533	434	363	295	249	212	152	120	93.8	72.4	50.4	31.6	27.0	17.0
1.65	503	417	350	285	241	198	148	116	91.6	70.9	48.9	31.1	26.6	16.9
1.67	480	404	339	277	235	193	145	114	89.8	69.6	48.0	30.7	26.3	16.8
1.70	469	390	327	269	227	188	141	112	88.3	68.6	47.0	30.2	26.1	16.7
1.75	444	367	313	255	216	178	136	108	85.5	66.7	45.6	30.0	25.8	16.6
1.80	413	342	294	238	206	165	129	104	82.4	64.5	43.8	29.1	25.4	16.5

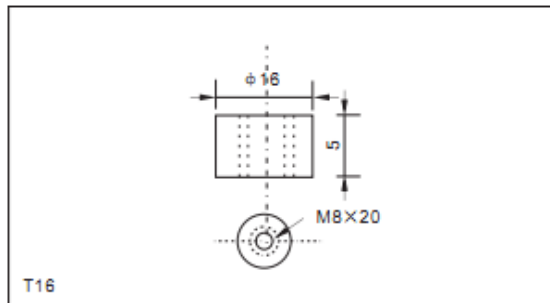
### Descarcare cu putere constanta (Watts/cell) la 25°C

Timp U final (V/cell)	min							h						
	5	10	15	20	25	30	45	1	1.5	2	3	5	6	10
1.60	948	768	632	522	450	385	289	236	176	134	91.7	62.2	54.5	34.2
1.65	899	736	614	506	441	378	283	229	171	130	89.0	61.1	53.6	33.4
1.67	876	710	600	489	432	370	278	225	165	127	87.2	59.7	52.3	33.2
1.70	850	682	582	471	417	362	272	220	162	125	85.3	59.0	51.9	32.8
1.75	821	654	554	453	404	348	269	214	158	123	83.9	58.0	50.7	32.3
1.80	790	623	534	434	389	335	258	205	154	119	82.3	56.2	49.4	31.3

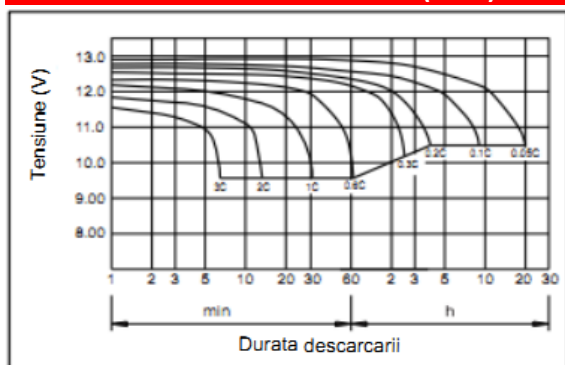
### Dimensiuni exterioare (mm)



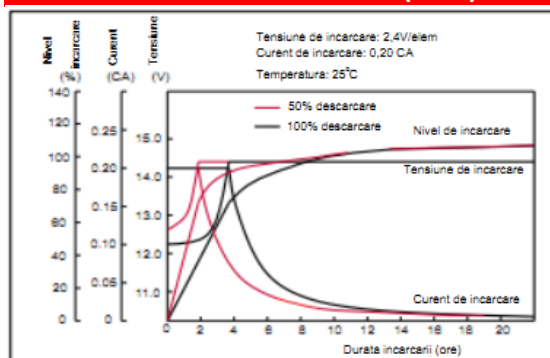
### Tip Borna (mm)



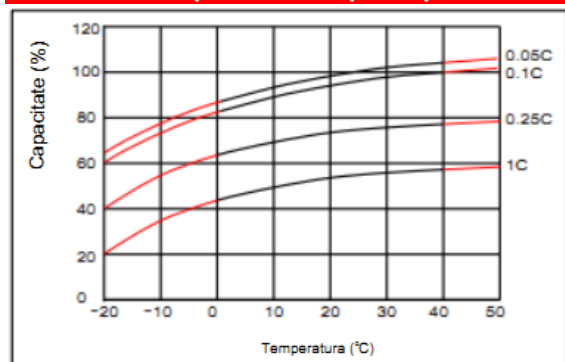
### Caracteristici de descarcare (25°C)



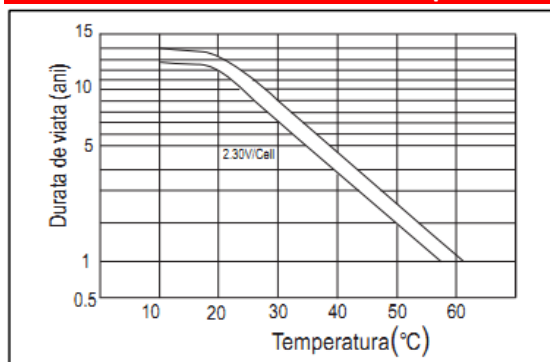
### Caracteristici de incarcare (25°C)



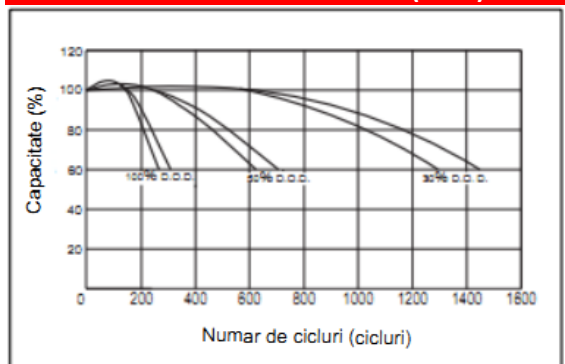
### Efectul temperaturii asupra capacitatii



### Durata de viata in functie de temperatura



### Numar de cicluri vs D.O.D (25°C)



### Relatia tensiune la borne / capacitate (25°C)

