

Serie UP G50-12

USO GENERAL GEL



Características Principales

- Mayor Vida Útil**

Con un diseño de vida de 12 años a temperatura 25°C.

- Distribución Uniforme del Electrolito**

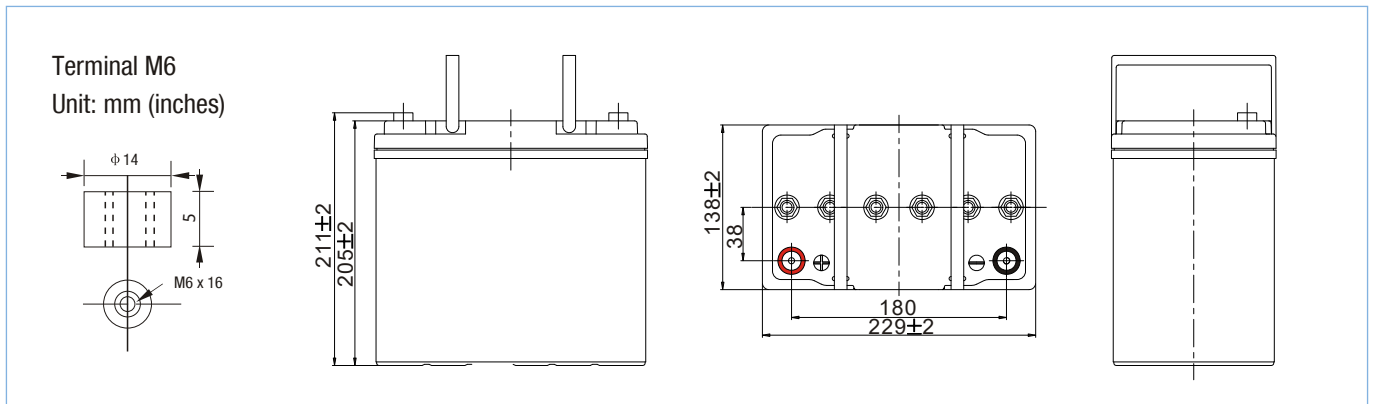
La uniformidad en la distribución del electrolito se consigue empleado sílice (dióxido de silicio) de gran calidad.

Especificaciones Técnicas

Voltaje Nominal (V)	12
Capacidad Nominal (20 Hr)	50 Ah
Dimensiones	Length: 229 ± 3 mm (9.02 inches)
	Width: 138 ± 2 mm (5.43 inches)
	Container Height: 205 ± 3 mm (8.07 inches)
	Total Height (+terminal): 211 ± 3 mm (8.31 inches)
Peso Aproximado	Approx. 16.6 kg (36.60 lbs)
Terminal	M6
Material del Contenedor	ABS
Capacidad Clasificada	50.0 Ah / 2.50 A (20hr, 1.80V/cell, 25°C / 77°F)
	46.5 Ah / 4.65 A (10hr, 1.75V/cell, 25°C / 77°F)
	40.0 Ah / 8.00 A (5hr, 1.75V/cell, 25°C / 77°F)
	34.8 Ah / 11.6 A (3hr, 1.75V/cell, 25°C / 77°F)
	27.5 Ah / 27.5 A (1hr, 1.67V/cell, 25°C / 77°F)
Corriente Máxima de Descarga	500 A (5 s)
Resistencia Interna	Approx. 9.0 mΩ
Rango de Temperatura de Funcionamiento	Discharge: -20 ~ 55°C (-4 ~ 131°F)
	Charge: 0 ~ 40°C (32 ~ 104°F)
	Storage: -20 ~ 50°C (-4 ~ 122°F)
Rango de Temperatura Nominal de Funcionamiento	25 ± 3°C (77 ± 5°F)
Uso del Ciclo	Initial Charging Current less than 12.5 A. Voltage 14.4~15V at 25°C (77°F) Temp. Coefficient -30mV/°C
Standby Voltage	No limit on Initial Charging Current Voltage. 13.5~13.8V at 25°C (77°F) Temp. Coefficient -20mV/°C
Capacidad Afectada por Temperatura	40°C (104°F) 103%
	25°C (77°F) 100%
	0°C (32°F) 86%
Auto-Discharge	Batteries may be stored for up to 9 months at 25°C (77°F) and then a freshening charge is required.



Battery Dimensions



Battery Discharge Tables

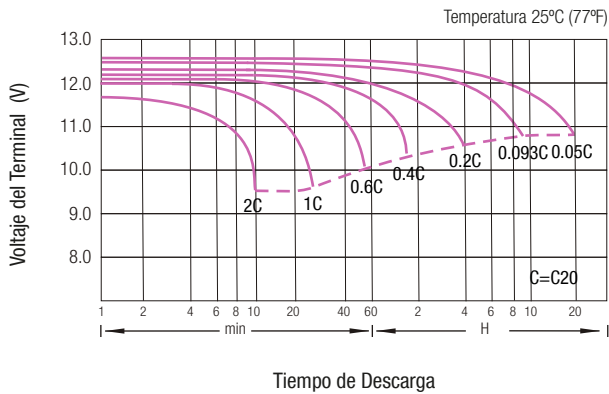
Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	42.3	33.2	25.3	21.2	13.5	10.3	8.49	7.33	6.33	5.60	5.05	4.62	4.37	2.40
1.80V/cell	48.5	37.1	27.9	23.4	14.6	11.0	9.00	7.70	6.64	5.86	5.29	4.86	4.56	2.50
1.75V/cell	54.5	40.8	30.2	25.1	15.4	11.6	9.43	8.00	6.88	6.07	5.46	5.00	4.65	2.55
1.70V/cell	58.7	43.7	32.1	26.5	16.4	12.1	9.74	8.25	7.12	6.27	5.63	5.13	4.76	2.58
1.67V/cell	61.1	45.4	33.2	27.5	16.8	12.5	10.0	8.42	7.23	6.36	5.71	5.20	4.82	2.61
1.60V/cell	66.2	48.6	35.7	29.2	17.5	13.0	10.4	8.68	7.41	6.50	5.81	5.31	4.91	2.65

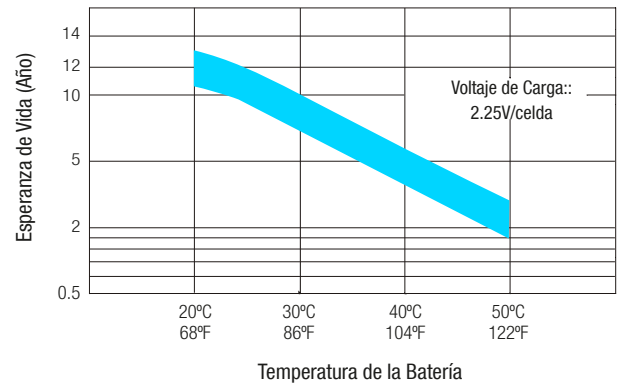
Constant Power Discharge (Watts/cell) at 25°C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	81.0	64.0	49.1	41.3	26.3	20.1	16.7	14.5	12.5	11.1	10.0	9.20	8.70	4.79
1.80V/cell	91.5	70.8	53.8	45.3	28.3	21.4	17.6	15.1	13.1	11.6	10.5	9.65	9.07	4.98
1.75V/cell	101.7	77.2	57.7	48.3	29.9	22.6	18.4	15.7	13.5	12.0	10.8	9.93	9.24	5.08
1.70V/cell	108.4	81.9	60.8	50.8	31.6	23.5	19.0	16.1	14.0	12.4	11.1	10.2	9.45	5.14
1.67V/cell	111.5	84.2	62.6	52.4	32.2	24.1	19.4	16.4	14.2	12.5	11.3	10.3	9.55	5.18
1.60V/cell	119.5	89.3	66.7	55.3	33.3	25.0	20.0	16.9	14.5	12.7	11.4	10.5	9.72	5.25

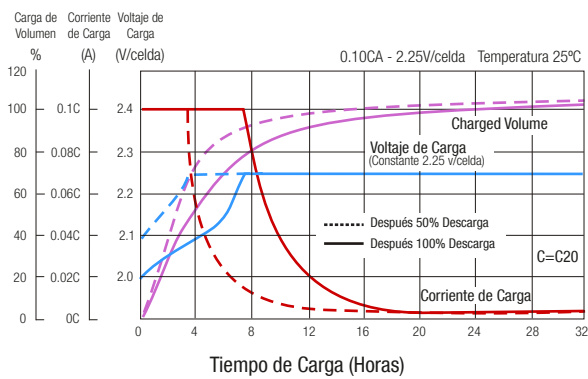
Características de la Descarga



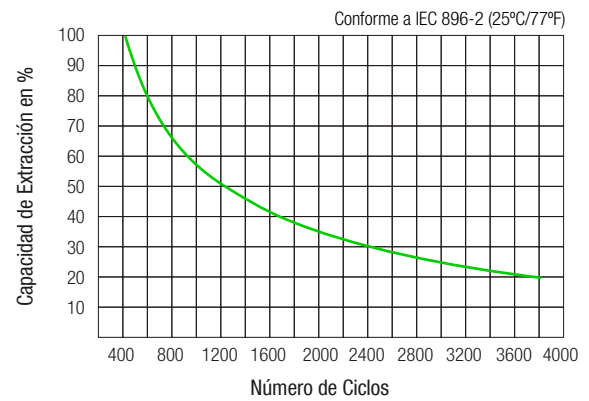
Efecto de la Temperatura sobre la Vida Útil Flotante Largo Plazo



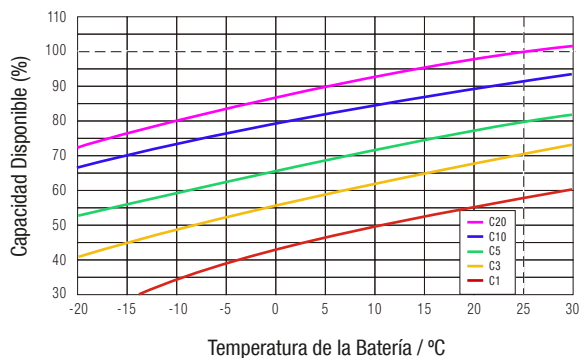
Características de Carga Flotante



Duración del Ciclo en Relación con la Profundidad de Descarga



Efectos de la Temperatura en Relación con la Capacidad de la Batería



Relación General de Capacidad VS. Tiempo de Almacenamiento

