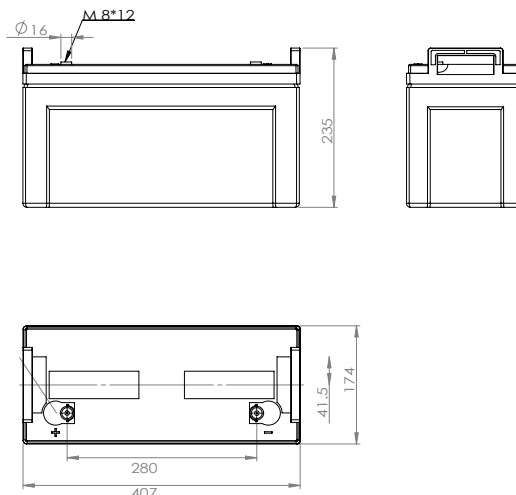


LCPC120-12

Valve Regulated Sealed Gel Battery



Specifications

Battery Model	LCPC120-12 12V120Ah			
Design Life (years, 25°C)	10			
Capacity (Ah, 25°C)	10HR (12A, 1.80V)	5HR (19.92A, 1.80V)	3HR (29.4A, 1.80V)	1HR (65.04A, 1.75V)
	120	99.6	88.2	65.04
Dimensions (mm)	Length	Width	Height	Total Height
	407	174	235	235
Approx. Weight (kg)	34.0			
Reference Internal Resistance (mΩ)	5.0 (fully charged @ 25°C)			
Maximum Discharge Current (A)	360			
Self-Discharge (25°C)	≤1.5% per months			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.40(-3.5mV/°C/cell), max charge current: 30A		2.27(-3.5mV/°C/cell)	
Short Circuit Current (A)	3420			

Discharge Data

Constant Current Discharge Data (25°C, A)

End Voltage (V/cell)	h								
	1	3	5	10	20	50	100	120	240
1.70	66.84	30.96	20.94	12.28	6.28	2.66	1.39	1.18	0.62
1.75	65.04	30.36	20.52	12.16	6.18	2.62	1.37	1.16	0.61
1.80	63.00	29.40	19.92	12.00	6.08	2.56	1.34	1.14	0.60
1.85	60.60	28.32	19.20	11.76	5.96	2.48	1.31	1.11	0.59
1.90	57.60	27.00	18.36	11.44	5.80	2.40	1.27	1.08	0.58

Constant Power Discharge Data (25°C, A)

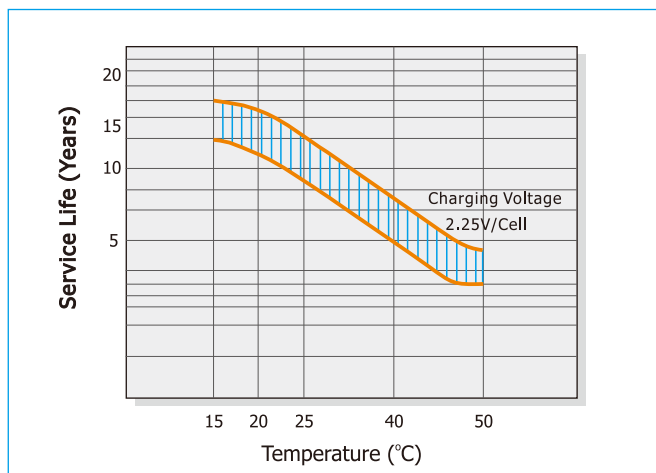
End Voltage (V/cell)	h								
	1	3	5	10	20	50	100	120	240
1.70	120.40	50.56	36.40	22.64	11.76	5.70	3.08	2.62	1.32
1.75	116.40	49.68	35.52	22.40	11.56	5.64	2.94	2.57	1.30
1.80	113.20	48.88	34.56	22.16	11.36	5.40	2.74	2.47	1.27
1.85	109.60	48.24	33.76	21.68	11.12	5.11	2.60	2.31	1.22
1.90	106.56	47.52	32.80	21.36	10.96	4.92	2.49	2.23	1.20

LCPC120-12

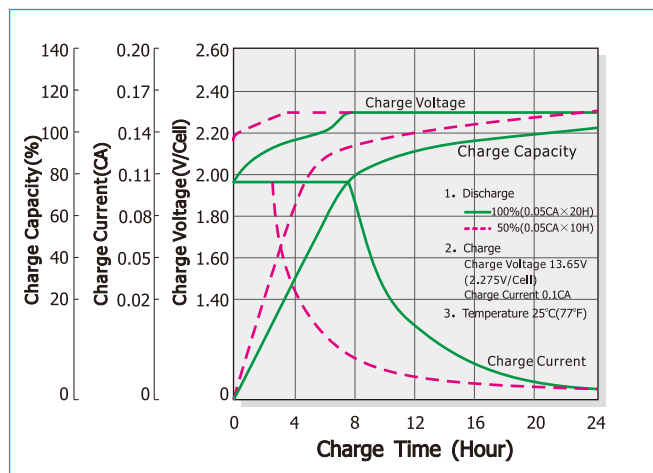
Valve Regulated Sealed Gel Battery

Performance Curve

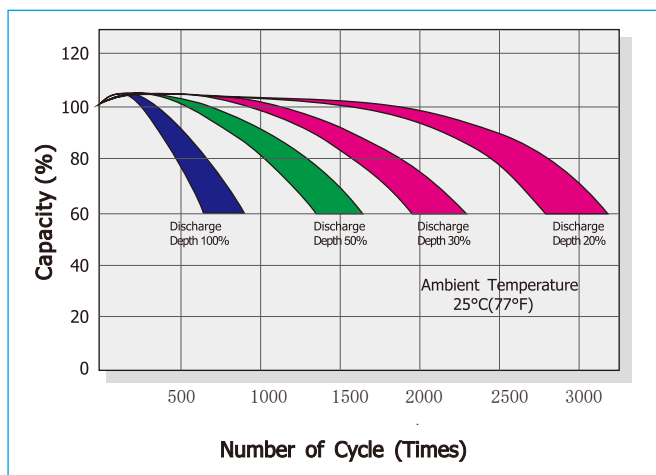
Trickle(or Float) Service Life



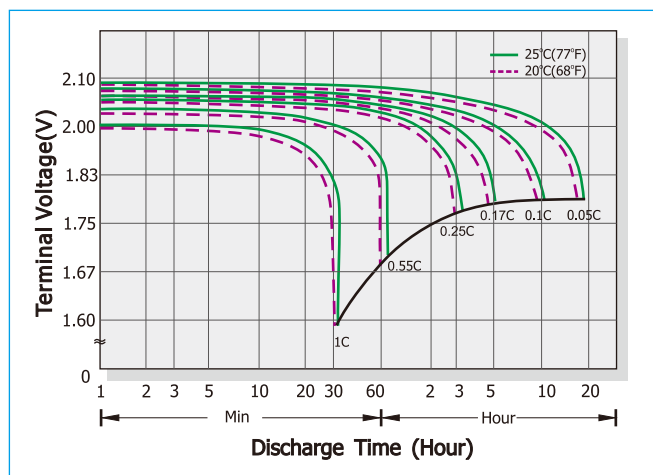
Charge Characteristic



Cycle Service Life



Discharge Characteristic



FEATURES

- Low self-discharge and long shelf life
- Non-Spillable construction
- Safety valve installation for explosion proof
- Exceptional deep discharge recovery performance
- 99.7% pure lead calcium grids and A recognized Component of U.L.

APPLICATION

- Photovoltaic system
- Telecommunications
- Emergency Power System
- Power plant and power transformer system
- Control Equipment