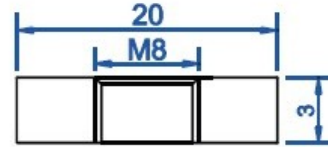


Image

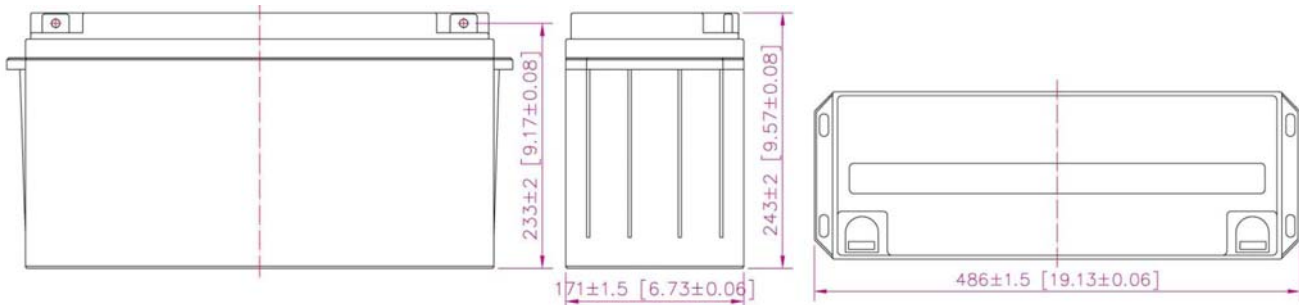


Terminal Type



M8 Bolt

Dimensions



Specifications

Battery model	<b>HC12-150</b>			
Nominal voltage	12V			
Designed Floating Life	Up to 8-10 years			
Cycle use	1. Up to 250 cycles at 100% DOD		2. Up to 500 cycles at 50% DOD	
Capacity (25°C)	20hr (7.96A,10.8V)	10hr (15.00A,10.8V)	5hr (29.19A,10.5V)	1hr (97.7A,10.5V)
	159.2Ah	150.00Ah	145.90Ah	97.70Ah
Dimensions (approx.)	Length	Width	Height	Total Height
	486mm (19.13inch)	171mm (6.73inch)	233mm (9.17inch)	243mm (9.57inch)
Approx. Weight	42.90Kg ±5% (94.60lbs)			
Internal Resistance (approx.)	Full charged at 25°C: ≤ 6.3mΩ			
Self Discharge	2% of capacity declined per month at 25°C			
Capacity Affected by Temperature	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage (25°C)	Cycle Use		Float Use	
	14.4-14.6V (-30mV/°C) , max. current: 39.8A		13.6-13.8V (-20mV/°C)	

HC series

HC Series Valve Regulated Lead Acid batteries are designed with AGM (Absorbent Glass Mat) technology, high performance plates and electrolyte to gain extra power output for common power backup system applications.

Application

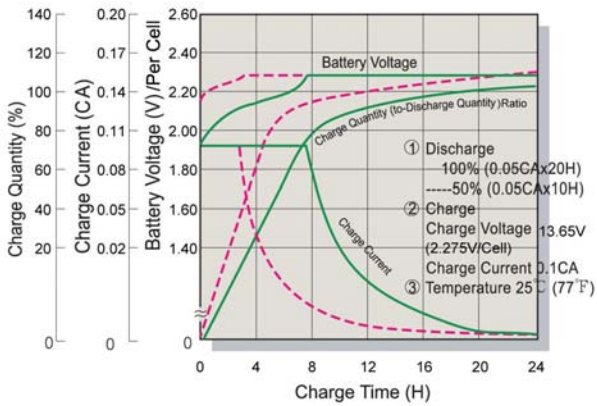
<b>Telecommunications</b>	<b>Communication power supply</b>	<b>Cable Television</b>
<b>UPS</b>	<b>Electric Power System (EPS)</b>	<b>Backup power supply</b>
<b>Control Equipment</b>	<b>Power Plant</b>	<b>DC power supply</b>
<b>Security system</b>	<b>Medical Equipment</b>	<b>Auto control system</b>

Construction

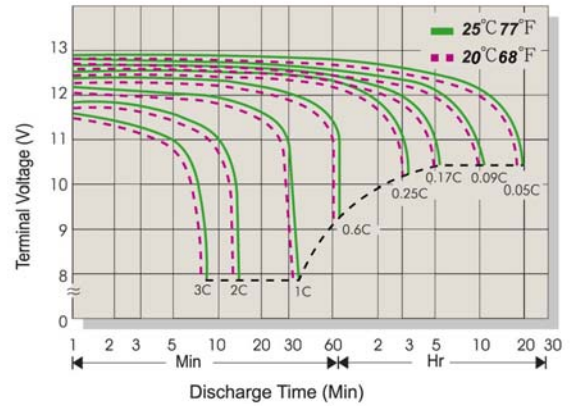
<b>Component:</b>	<b>Raw material</b>	<b>Sealant:</b>	<b>Epoxy Resin</b>
<b>Positive:</b>	<b>Lead dioxide</b>	<b>Safety Valve:</b>	<b>EPDR (Rubber)</b>
<b>Negative:</b>	<b>Lead</b>	<b>Terminal:</b>	<b>Copper</b>
<b>Container:</b>	<b>ABS (UL94HB) (FR-UL94V0 optional)</b>	<b>Separator:</b>	<b>Fibre Glass</b>
<b>Cover:</b>	<b>ABS (UL94HB) (FR-UL94V0 optional)</b>	<b>Electrolyte:</b>	<b>Sulphuric acid</b>

*Sealed and maintenance free    Non-spillable construction design    Low self discharge characteristic  
Unique grid alloy formula and updated manufacturing technique*

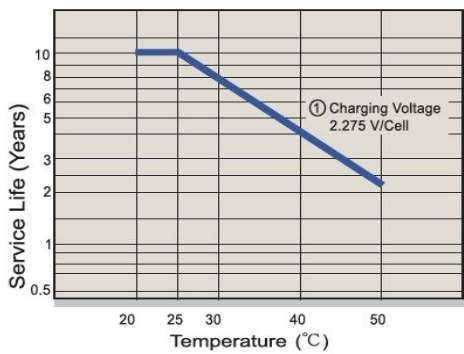
Charge Characteristic for Standby Use



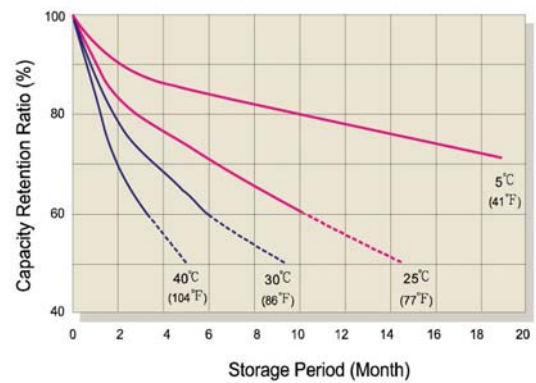
Discharge Characteristic 25°C / 20°C



Tickle (or Float) Service Life



Self Discharge Characteristics



Constant Current Discharge Ratings per monoblock - Amperes at 25°C (77°F)

F.V / Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.67V/c	664.31	375.81	295.37	183.83	100.50	44.61	30.02	15.74	8.34
1.70V/c	603.41	346.40	272.26	174.11	99.43	44.14	29.70	15.57	8.25
1.75V/c	553.59	326.79	256.84	167.43	97.71	43.38	29.19	15.30	8.11
1.80V/c	543.40	320.78	252.12	164.35	95.92	42.58	28.65	15.00	7.96
1.85V/c	533.22	314.77	247.39	161.27	94.12	41.78	28.11	14.74	7.50

Constant Current Discharge Ratings per cell - Watts/cell at 25°C (77°F)

F.V / Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.67V/c	1295.4	732.83	575.97	358.48	195.97	86.99	58.54	30.69	16.26
1.70V/c	1176.6	675.48	530.90	339.51	193.89	86.07	57.92	30.36	16.09
1.75V/c	1079.5	637.25	500.85	326.48	190.54	84.58	56.91	29.84	15.81
1.80V/c	1059.6	625.52	491.63	320.47	187.04	83.03	55.87	29.25	15.52
1.85V/c	1039.7	613.80	482.42	314.47	183.53	81.47	54.82	28.74	15.23



Ratings and features presented herein are subject to revision without notice