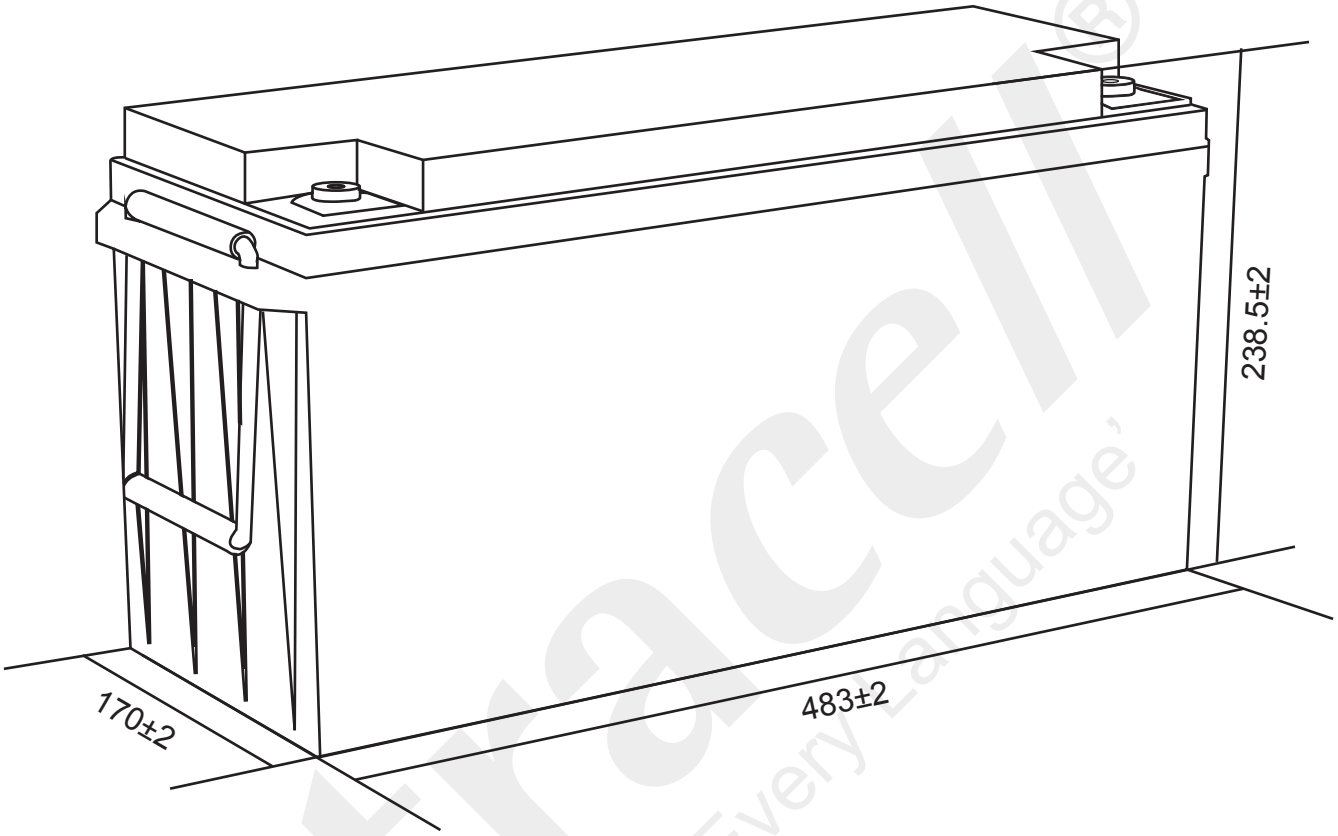
Ultracell®

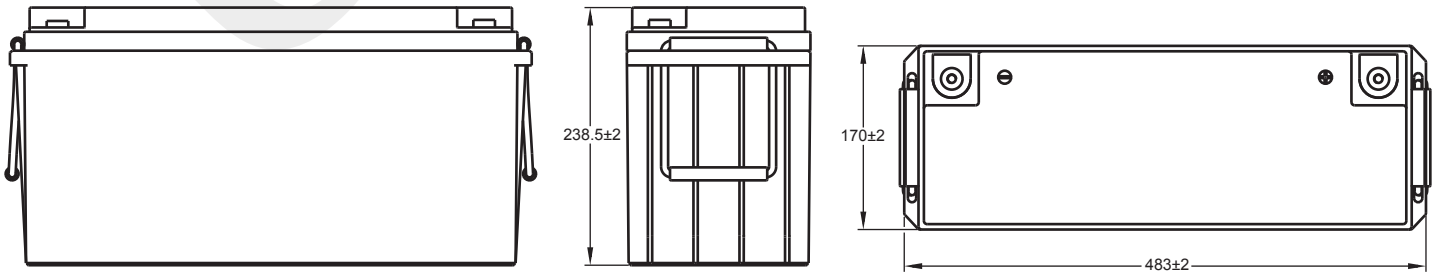
'Quality in Every Language'

UC150-12E

12V 150Ah (C_{10})
12V 172Ah (C_{100})
Deep Cycle Series



Technical Dimensions (mm)



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UC-V1-REV1 06/20

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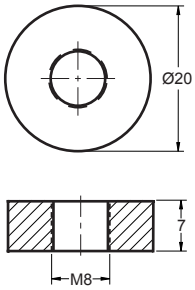
Image

Terminal Dimensions (mm)

Standard
Terminal: F11



Technical Specification

Output	Nominal Voltage	12V
	Nominal Capacity (10HR)	150Ah
Terminal Type	Standard Terminal	F11
Container Material	Standard Option	ABS
	Flame Retardant Option (FR)	ABS (UL94:VO)
Rated Capacity	(100HR 1.80V/cell, 25°C)	172 Ah/1.72A
	(20HR 1.80V/cell, 25°C)	157.6 Ah/7.88A
	(10HR 1.80V/cell, 25°C)	150 Ah/15.0A
	(5HR 1.75V/cell, 25°C)	136.5 Ah/27.3A
	(3HR 1.75V/cell, 25°C)	124.2 Ah/41.4A
	(1HR 1.60V/cell, 25°C)	95.6 Ah/95.6A
Max Discharge Current	1500A (5s)	
Internal Resistance	Approx 3.5mΩ	
Discharge Characteristics	Operating Temp Range	Discharge: -15 ~ 50°C Charge: 0 ~ 40°C Storage: -15 ~ 40°C
	Nominal Operating Temp Range	25 ± 3°C
	Cycle Use	Initial Charging Current less than 45A. Voltage 14.4V ~ 15.0V @ 25°C Temp. Coefficient -30mV/°C
	Standby Use	No limit on initial charging current. Voltage 13.5V ~ 13.8V @ 25°C Temp. Coefficient -20mV/°C
	Capacity affected by Temperature	40°C 103% 25°C 100% 0°C 86%
Design Floating Life at 20°C	8 Years	

Self Discharge

Ultracell® UC batteries may be stored for up to 6 months at 25°C and then a refresh charge is required. For higher temperatures the time intervals will be shorter.

Constant Current Discharge / Constant Power Discharge At 25°C (Amperes & Watts/Cell)

A = Amperes W = Watts

F.V/TIME (A / W)	5 min	10 min	15 min	20 min	30 min	45 min	60 min	90 min	2 hours	3 hours	4 hours	5 hours	6 hours	8 hours	10 hours	20 hours
1.85V/cell	305. 9 559. 6	217. 5 400. 8	192. 4 364. 3	151. 3 287. 8	135. 3 258. 5	98. 9 190. 2	83. 8 162. 1	60. 7 117. 8	51. 1 99. 3	37. 5 73. 2	29. 4 57. 6	25. 5 50. 2	22. 5 44. 4	17. 3 34. 3	14. 3 28. 5	7.60 15. 1
1.80V/cell	347. 8 625. 9	246. 9 448. 3	218. 0 407. 5	171. 1 321. 9	147. 3 279. 2	104. 8 200. 2	86. 8 167. 0	62. 8 121. 2	52. 7 102. 1	40. 7 79. 1	31. 4 61. 3	26. 8 52. 6	24. 2 47. 5	18. 2 36. 0	15. 0 29. 8	7.88 15. 7
1.75V/cell	377. 8 668. 0	267. 7 478. 5	236. 0 434. 9	184. 7 343. 6	150. 3 282. 8	108. 6 206. 2	91. 1 174. 4	66. 0 126. 8	55. 5 107. 0	41. 4 80. 4	32. 0 62. 2	27. 3 53. 4	24. 3 47. 8	18. 3 36. 1	15. 2 30. 1	7.95 15. 8
1.70V/cell	403. 9 702. 3	285. 4 503. 0	250. 7 457. 2	195. 8 361. 2	153. 3 286. 0	110. 8 208. 9	92. 9 177. 0	67. 3 128. 8	56. 6 108. 7	42. 2 81. 6	32. 5 63. 1	27. 8 54. 1	24. 5 47. 9	18. 6 36. 6	15. 3 30. 3	8.03 15. 9
1.67V/cell	418. 0 713. 7	294. 5 511. 2	258. 0 464. 7	201. 2 367. 1	155. 6 288. 0	112. 4 210. 8	94. 3 178. 6	68. 3 130. 0	57. 4 109. 8	42. 6 82. 1	33. 0 63. 8	28. 3 55. 0	24. 6 48. 0	18. 8 37. 0	15. 5 30. 7	8.13 16. 1
1.60V/cell	432. 8 723. 7	304. 5 518. 4	266. 0 471. 2	206. 3 372. 2	157. 8 289. 3	114. 0 211. 8	95. 6 179. 9	69. 3 131. 0	58. 3 110. 7	43. 0 82. 4	33. 4 64. 3	28. 7 55. 5	24. 8 48. 2	19. 1 37. 4	15. 7 31. 0	8.23 16. 3

VdS
MH 29410
CE
EMC 1188-C
IEC
IEC 60896
Qualitas Veritas
ISO 9001:2015

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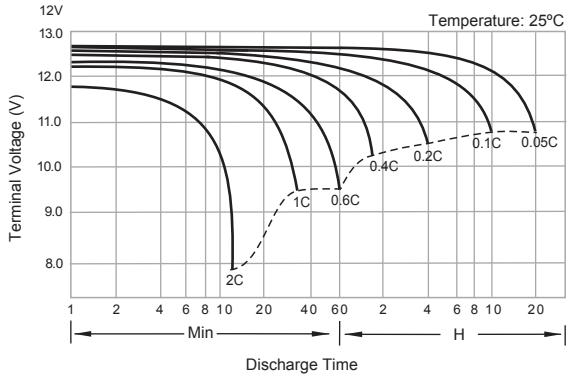
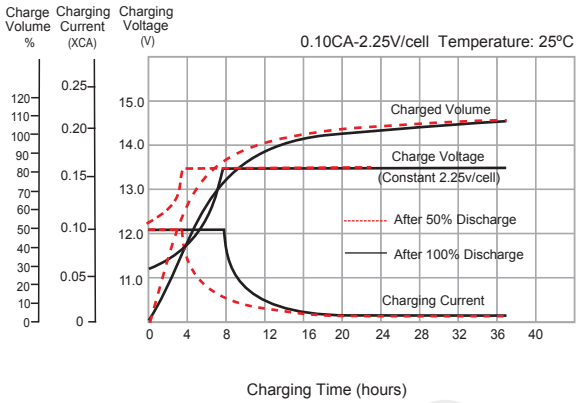
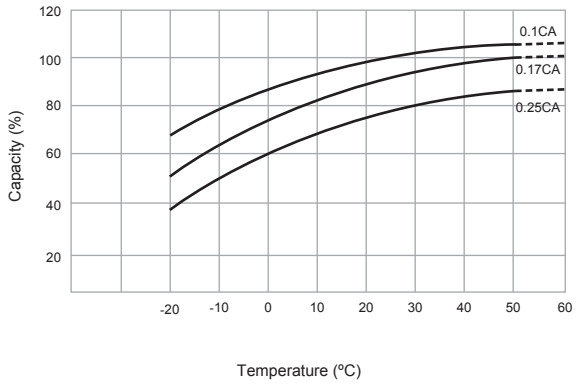
Discharge Characteristics



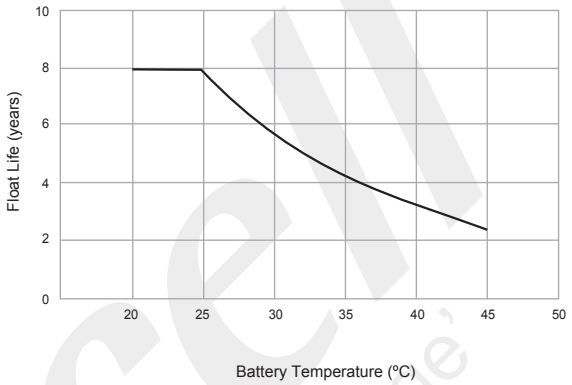
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effects of Temperature on Long Term Float Life



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