

UFTG172-12

12V 172AH

Front Terminal

UFTG172-12



Physical Specification

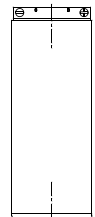
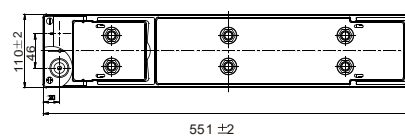
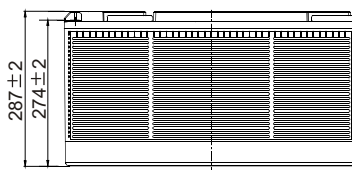
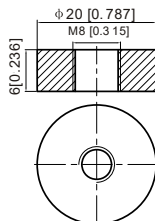
Part Number	UFTG172-12
Length	551 ± 2 mm
Width	110 ± 2 mm
Container Height	287 ± 2 mm
Total Height (with terminal)	287 ± 2 mm
Approx Weight	47.4 kg

Specifications

	Nominal Voltage	12V
	Nominal Capacity (20HR)	172.0AH
Terminal Type	Standard Terminal	F11
Container Material	Standard Option	ABS
Rated Capacity	100hr, 1.80V/cell, 25°C	172.0 AH/7.20A
	10hr, 1.80V/cell, 25°C	135.0 AH/13.5A
	5hr, 1.75V/cell, 25°C	118.8 AH/23.76A
	3hr, 1.75V/cell, 25°C	103.5 AH/34.5A
	1hr, 1.60V/cell, 25°C	78.3 AH/78.3A
Max Discharge Current	1500A (5s)	
Internal Resistance	Approx 3.5m Ω	
Discharge Characteristics	Operating Temp. Range	Discharge: -20°C~55°C
		Charge: 0°C~40°C
		Storage: -20°C~50°C
	Nominal Operating Temp. Range	25±3°C
	Cycle Use	Initial Charging Current less than 36A. Voltage 14.4V ~ 15V at 25°C Temp. Coefficient -30mV/°C
	Standby Use	No limit on Initial Charging Current. Voltage 13.5V ~ 13.8V at 25°C Temp. Coefficient -20mV/°C
Capacity affect by Temperature	40°C	103%
	25°C	100%
	0°C	86%
Design Floating Life at 20°C	12+ Years	
Self Discharge	Ultracell batteries may be stored for up to 6 months at 25°C(77°F) and then a refresh charge is required. For higher temperatures the time interval will be shorter.	

Dimensions

F6 Terminal



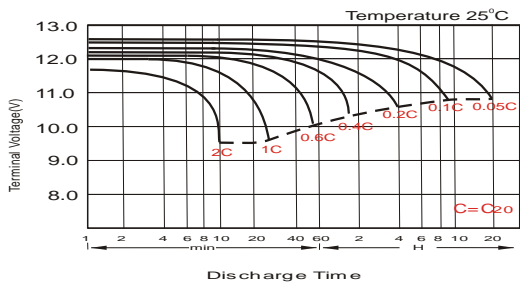
Constant Current Discharge (Amperes) at 25°C

F.V/ Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	113.4	89.0	67.9	56.9	39.9	30.4	25.2	21.8	18.7	16.6	15.0	13.7	12.9	6.91
1.80V/cell	129.9	99.5	74.9	62.8	43.2	32.6	26.7	22.9	19.7	17.4	15.7	14.4	13.5	7.20
1.75V/cell	146.0	109.4	81.0	67.2	45.8	34.5	28.0	23.76	20.4	18.0	16.2	14.8	13.8	7.34
1.70V/cell	157.3	117.2	86.0	71.1	48.6	35.9	28.9	24.5	21.1	18.6	16.7	15.2	14.1	7.44
1.67V/cell	163.7	121.8	89.0	73.7	49.8	37.0	29.6	25.0	21.4	18.8	16.9	15.4	14.3	7.51
1.60V/cell	177.4	130.3	95.6	78.3	51.8	38.5	30.7	25.8	21.9	19.2	17.2	15.7	14.5	7.62

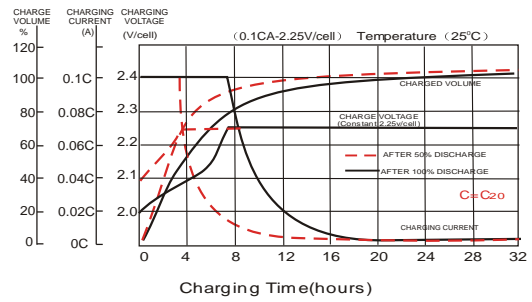
Constant Power Discharge (Watts) at 25°C

F.V/ Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	217.1	171.6	131.7	110.7	78.1	59.6	49.6	43.0	37.1	32.9	29.8	27.2	25.8	13.8
1.80V/cell	245.4	189.9	143.9	121.6	84.0	63.7	52.4	45.0	38.8	34.4	31.1	28.6	26.9	14.3
1.75V/cell	272.8	206.6	154.2	129.5	88.8	67.1	54.7	46.5	40.0	35.5	32.0	29.4	27.4	14.6
1.70V/cell	290.7	219.7	163.1	136.4	93.7	69.7	56.3	47.9	41.4	36.6	32.9	30.1	28.0	14.8
1.67V/cell	299.1	225.2	167.4	140.5	95.7	71.6	57.5	48.7	41.9	37.0	33.4	30.5	28.3	14.9
1.60V/cell	320.6	239.6	178.9	148.4	99.0	74.1	59.5	50.0	42.8	37.7	33.9	31.1	28.8	15.1

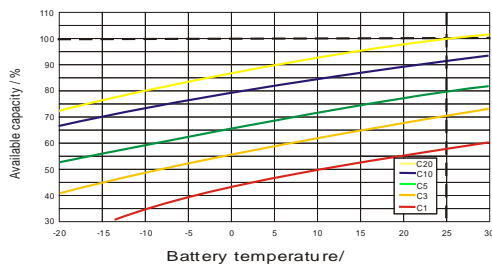
Discharge Characteristics



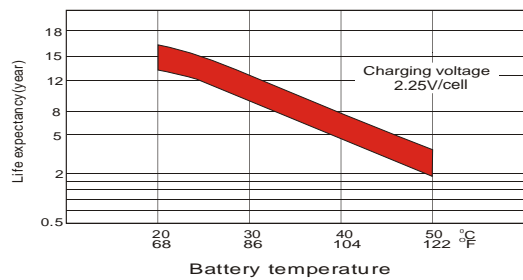
Charging Characteristics



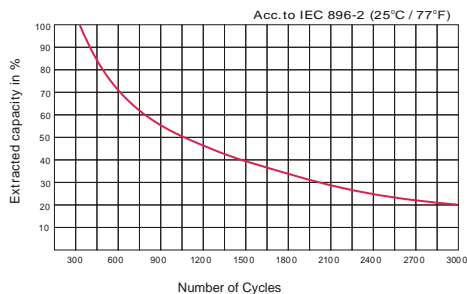
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time

