

Charge & battery capacity conversion chart

C, Ah, mAh. Factors are given to 7 significant figures; open the converter for full precision and the worked solution.

Conversion factors to coulombs (C)		
UNIT	IN C	1 C IN UNIT
coulomb (C)	1 C	1 C
millicoulomb (mC)	0.001 C	1,000 mC
microcoulomb (µC)	0.000001 C	1,000,000 µC
nanocoulomb (nC)	1 × 10 ⁻⁹ C	1,000,000,000 nC
ampere-hour (A·h)	3,600 C	0.0002777778 A·h
milliampere-hour (mA·h)	3.6 C	0.2777778 mA·h
elementary charge (e)	1.602177 × 10 ⁻¹⁹ C	6.241509 × 10 ¹⁸ e

mA·h → A·h	
MA·H	A·H
0.1 mA·h	0.0001 A·h
0.5 mA·h	0.0005 A·h
1 mA·h	0.001 A·h
2 mA·h	0.002 A·h
5 mA·h	0.005 A·h
10 mA·h	0.01 A·h
20 mA·h	0.02 A·h
25 mA·h	0.025 A·h
50 mA·h	0.05 A·h
100 mA·h	0.1 A·h
250 mA·h	0.25 A·h
500 mA·h	0.5 A·h
1,000 mA·h	1 A·h

A·h → mA·h	
A·H	MA·H
0.1 A·h	100 mA·h
0.5 A·h	500 mA·h
1 A·h	1,000 mA·h
2 A·h	2,000 mA·h
5 A·h	5,000 mA·h
10 A·h	10,000 mA·h
20 A·h	20,000 mA·h
25 A·h	25,000 mA·h
50 A·h	50,000 mA·h
100 A·h	100,000 mA·h
250 A·h	250,000 mA·h
500 A·h	500,000 mA·h
1,000 A·h	1,000,000 mA·h

Formula: $A·h = mA·h \times 0.001$

