

AA + AAA BATTERY COST PER HOUSEHOLD

In general 20 units of AA + AAA batteries are needed for any household living activities in every 6 months cycle. And 40 batteries units to be used per household in every 12 months cycle on a conservative base. The cost of battery is at a middle price of an average cost range at \$6.00 per pack of 4 batteries.

In 1 year, 40 units of battery cost around \$240 and \$2400 in 10 years for 400 units
In 10 years cost of battery charger is assumed (\$36.30 x 4 units) = \$124.20

There is no requirement to get new battery for replacement in every cycle of 6 or 12 months.

With battery charger, the cost and waste per year are at the lowest minimum, since the battery can be re-charged up to 20 times
In 10 years, 4 units of battery charger, and 40 batteries to be accounted at an overall cost around \$480.00 + \$124.20 = \$604.20
Therefore, the saving would be approximately [\$2400 - \$604.20] = \$1795.80 in 10 years to \$179.80 per year

The annual savings will pay-off the cost of 4 units of battery charger and 40 batteries – How good is it?

A saving of approximately 75% to household budget and landfill of scenario of not having a battery charger

An assumption of 30% of Australian households (2 million*) would use AA + AAA battery.

The savings is around \$3.5 billion in 10 years period, and \$350 million in 1 year – instead of trashing this amount in the recycled bin – a highly considered result

***2 million families of 3 people on average per household equate to approximately 6 million population**

BATTERY AA + AAA COST PER HOUSEHOLD TABLE				
Consumption	AA & AAA Battery Per year	cost */ waste per year	With battery charger Cost / waste per 10 year	cost / waste in 10 year without battery charger
remote control	4 [2]units	$\$6.00 \times 4 \times [2] = \48.00	$\$48.00 \times 2 = \96.00	$\$48.00 [10] = \480.00
alarm clock	2 [2]units	$\$6.00 \times 2 \times [2] = \24.00	$\$24.00 \times 2 = \48.00	$\$24.00 [10] = \240.00
shaver	2 [2]units	$\$6.00 \times 2 \times [2] = \24.00	$\$24.00 \times 2 = \48.00	$\$24.00 [10] = \240.00
electric toothbrush	2 [2]units	$\$6.00 \times 2 \times [2] = \24.00	$\$24.00 \times 2 = \48.00	$\$24.00 [10] = \240.00
wireless items	2 [2]units	$\$6.00 \times 2 \times [2] = \24.00	$\$24.00 \times 2 = \48.00	$\$24.00 [10] = \240.00
radio	2 [2]units	$\$6.00 \times 2 \times [2] = \24.00	$\$24.00 \times 2 = \48.00	$\$24.00 [10] = \240.00
torch light	2 [2]units	$\$6.00 \times 2 \times [2] = \24.00	$\$24.00 \times 2 = \48.00	$\$24.00 [10] = \240.00
toy	4 [2]units	$\$6.00 \times 4 \times [2] = \48.00	$\$48.00 \times 2 = \96.00	$\$48.00 [10] = \480.00
Total per household	40 units	\$240.00	\$240.00 x 2 = \$480.00	\$2400.00

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