

Test of AkkuFresh® by Imperial College London

The product performance was successfully tested by Imperial College London. The test result clearly indicates that the battery with AkkuFresh® lasts longer.

*Instructions indicated in the product manual are carefully followed.

* The test has been carried out on an 800 mAh battery working at half of its performance.

Average standby time before using AkkuFresh® = $(9:00 + 9:30)/2 = 9:15$ hour
Average full use time before using AkkuFresh® = $(1:30 + 2:00)/2 = 1:45$ hour
stand by time after using AkkuFresh® = 11:30 hour
full use time after using AkkuFresh® = 2:15 hour

The result:

% Increase of stand by time due to use of AkkuFresh® = $((11:30 / 9:15) - 1) \% = + 24.32 \%$

% Increase of full use time due to use of AkkuFresh® = $((2:15 / 1:45) - 1) \% = + 28.57 \%$

The test was carried out by 2 Phd, an Electronic Professor from Imperial College London: Eng\ Hesham Sharkas, under the supervision of Eng\ Hosny Taha. The test was completed on 2011.11.13.

The effect and performance of AkkuFresh® Next Generation™ depends on several factors: Type of device (mobile phone / notebook / camera / etc.), brand, model – type of battery, age, status (total amount of charging-discharging cycles), external temperature, environmental conditions and cellular network.



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Test results* of Akkufresh Battery tune up foil

* Instructions indicated in the product manual are carefully followed.

* Test has carried out on a 800 mAh battery work with half of it's performance.

Test		Cycle	Start			End			Mean time (hours)
Description	Status		Time	Date	% of charge	Time	Date	% of charge	
pretest before using Akkufresh	Stand by	1	2:00 PM	24-Oct	100 %	11:00 PM	24-Oct	0 %	9:00
	Stand by	2	12:30 AM	25-Oct	100 %	10:00 AM	25-Oct	0 %	9:30
	Full use	1	12:30 PM	26-Oct	100 %	2:00 PM	26-Oct	0 %	1:30
	Full use	2	10:30 AM	27-Oct	100 %	12:30 PM	27-Oct	0 %	2:00
Using Akkufresh for 10 Cycles	Stand by	1	3:30 PM	27-Oct	100 %	1:00 AM	28-Oct	0 %	9:30
	Stand by	2	8:20 PM	28-Oct	100 %	8:00 AM	29-Oct	0 %	11:40
	Stand by	3	8:10 PM	29-Oct	100 %	8:00 AM	30-Oct	0 %	11:50
	Stand by	4	1:30 PM	30-Oct	100 %	1:45 AM	31-Oct	0 %	12:15
	Stand by	5	9:00 PM	31-Oct	100 %	10:00 PM	31-Oct	0 %	13:00
	Stand by	6	3:00 PM	1-Nov	100 %	2:45 AM	2-Nov	0 %	11:45
	Stand by	7	10:30 PM	2-Nov	100 %	10:30 AM	3-Nov	0 %	12:00
	Stand by	8	1:50 AM	3-Nov	100 %	11:30 AM	3-Nov	0 %	9:50
	Stand by	9	2:00 AM	11-Nov	100 %	12:30 PM	11-Nov	0 %	10:30
	Stand by	10	6:30 PM	11-Nov	100 %	6:00 AM	12-Nov	0 %	11:30
final test using Akkufresh	Stand by	1	9:30 PM	13-Nov	100 %	9:00 AM	13-Nov	0 %	11:30
	Full use	1	1:45 PM	13-Nov	100 %	4:00 PM	13-Nov	0 %	2:15

Average stand by time before using Akkufresh = $(9:00 + 9:30)/2 = 9:15$ hour

Average full use time before using Akkufresh = $(1:30 + 2:00)/2 = 1:45$ hour

stand by time after using Akkufresh = 11:30 hour

full use time after using Akkufresh = 2:15 hour

% Increase of stand by time due to use of Akkufresh = $((11:30 / 9:15) - 1) \% = + 24.32 \%$

% Increase of full use time due to use of Akkufresh = $((2:15 / 1:45) - 1) \% = + 28.57 \%$

Test is carried out by Eng\ Hesham Sharkas

Under supervision of Eng\ Hosny Taha

Completed on 13 Nov ,2011