



Atrie Technology Inc.

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**PCU-2A2**  
**Portable Charger USB interface**  
**AA primary battery 2 Cell**  
**Applicable for iPhone 3G/3GS**  
**Data Sheet**

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## PCU-2A2

Portable Charger USB Interface

AA battery 2 cell

### Application:

1. Instant charger on the go for portable device like mobile phone, smartphone, MP3, PMP, PND, GPS, DV, game device, etc.
2. Easily found AA alkaline battery for input replacement.

### Technical specification :

1. For use with two AA size primary “alkaline” battery in serial as input.
2. For use with one-cell Li-ion powered *portable device* as charging output.
3. Automatic startup upon connection to *portable device*.
4. Automatic shutdown when no current drawn at output.
5. Automatic shutdown when input battery is depleted, which 2 batteries in series voltage drops below 1.53V.
6. Up to 84% efficiency.
7. Open-circuit voltage 5.05~5.3V.
8. Output current depends on input battery voltage and output voltage.
9. Disconnection of output as circuit board temperature rises above  $53\pm 4^{\circ}\text{C}$ .
10. LED blinks when charges *portable device* (in current control mode, transfer energy from side to side). LED turns off as output disconnects with *portable device* (in burst control mode). There is 10~11 LED blink delay from charging to disconnection.
11. USB type A connector as charging interface with *portable device*.
12. Maximum ratings : Max input battery voltage, 3.8V. Max output voltage, 5V.
13. Charger dimension: 68× 63× 25(L×W×H) in mm.
14. Weight : 45g (without batteries.)
15. Material composition of plastic housing : ABS.
16. Storage temperature range,  $-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$ .
17. Operation temperature range,  $-10^{\circ}\text{C} \sim +48^{\circ}\text{C}$ .
18. Compliance Test : CE, FCC, VCCI, BSMI, RoHS.
19. Bundle battery : Energizer Alkaline X91.
20. Recommend battery : Energizer Lithium L91.





