



PRODUCT NAME : Adafruit PowerBoost
500 Shield - Rechargeable 5V Power
Shield

PRICE : Rs 2,299.00
SKU : RM3192



DESCRIPTION

What's a project if it's trapped on your desk? Now you can take your Arduino anywhere you wish with the PowerBoost shield! This stackable shield goes onto your Arduino and provides a slim rechargeable power pack, with a built in battery charger as well as DC/DC booster.

Compatible with Arduino Uno, Duemilanove, Mega, Leonardo and Due - basically any Arduino-pinout-shaped Arduino as only the GND and 5V pins are used. You can stack shields on top, or stack the PowerBoost on top. Please note that the powerboost does not pass through the ICSP headers (the battery is in the way) so if your stacking shield uses ICSP for data transfer (like the Ethernet Shield), you'll need to stack the PowerBoost above it!

The PowerBoost shield can run off of any Lithium Ion or Lithium Polymer battery (3.7/4.2V kind) but [we suggest our 1200mAh capacity](#) or [2000mAh capacity batteries](#), both of which fits very nicely in the empty space of the shield. Plug in the battery and recharge it via the microUSB jack. When you're ready to go, just unplug the Arduino from USB or the wall adapter and it will automatically switch over to shield power. **Use only Lipoly batteries with protection circuitry!**

The onboard boost converter can provide at least 500mA current, and can peak at 1A. There's an onboard fuse to protect against higher current draws which could damage the boost converter or battery. **The boost converter can be damaged by high current spikes and is not recommended for driving motors or robots where the stall current can cause high current spikes**

The shield comes as a kit of parts, some light soldering is required to attach the stacking headers and switch! **Battery is not included**, (again, we suggest our [1200mAh battery](#) or [2000mAh battery](#), but you can use any 500mAh+ size you like) There's even an optional switch. If you choose to solder it in, it will let you turn the shield and Arduino power on/off.