**Final**

**Powering the Pi for Portable Projects**

You’ve got your Raspberry Pi, you’re working on a mobile project, and you need to power it. RS Components has unveiled three rechargeable battery packs to keep you powered up while you’re programming.

These new power banks are designed to meet the different requirements of the user, and range from a low-cost lightweight version to the larger higher capacity models with extended cell life for more power-hungry applications.

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| Capacity / Type | Dimensions | Weight | RS Stock No |
| 2200mAh (min)  Lithium-Ion | 92 x 23 x 23mm | 76g | 775-7504 |
| 5000mAh (min)  Li-polymer | 102 x 66 x 15.8mm | 154g | 775-7508 |
| 10400mAh (min)  Lithium-Ion | 110 x 73 x 23mm | 256g | 775-7517 |

Each model is equipped with dual USB ports, which means you can charge your Raspberry Pi or other digital device while the power bank itself is charging, or alternatively for the two larger units you can charge two independent devices at the same time. A micro USB cable is supplied as standard with each battery pack.

The power banks contain a smart power management controller, with power conversion efficiency up to 88% and for safe charging, automatically detects the output current of the connected power supply before charging. Safety of the user is a key consideration, as is the quality and reliability of the power source, and each model is designed with double protection - one for the internal cell and one for the device being charged - with over charge, over discharge, over current and short circuit protection.

Another neat feature is the intelligent LED display, which indicates the charging status and power levels of the device.

As well as being the essential accessory for your portable Raspberry Pi project, these power banks can be used with most digital devices with DC 5V input, such as tablets, smart phones, portable MP3 players and GPS, which means there is no need to carry several chargers with you.

The three power bank models [PB-2200, PB-5200 and PB-H10400](http://uk.rs-online.com/web/c/batteries/rechargeable-batteries/power-banks/) are all available to purchase direct from RS stock.