



## RFID Labels for People Tracking

### Description

Compliant with EPCglobal Class 1, Generation 2 and ISO 18000-6C, the PowerP label provides an affordable, reliable solution for people tracking, overcoming the drawbacks of traditional RFID solutions.

Whereas passive RFID tags have a short read range with limited reliability, and active tags can be bulky and expensive, PowerP provides an affordable, reliable, thin and flexible alternative with read ranges of up to 20 meters.

### Affordable People Tracking

PowerP disposable labels can provide exceptional reliability due to the incorporation of PowerID's thin and flexible, environment-friendly battery on board the label, obviating the need to harvest energy from the RF reader.

With its credit card form factor and double-sided PVC coating, the PowerP label can be used for reliable tracking in a variety of applications, including:

- Theme park experience enhancement
- Loyalty programs
- Traveler location at airports
- Access control and presence

| Features                              | Benefits   |
|---------------------------------------|--|
| Gen. 2 compliance                     | Supported by Gen. 2 infrastructure and off-the-shelf hardware and software   |
| Integrated power source               | Eliminating the need to collect energy from reader leads to improved backscattering and near 100% read reliability |
| UHF RFID                              | Operates in 860-960 MHz spectrum   |
| Environment-friendly battery          | Power of active RFID without the chemicals or heavy metals of an active tag battery                                |
| Printable battery                     | Form factor and affordability of thin and flexible label   |
| Designed for challenging environments | Ideal for tracking people despite high liquid content of the human body  |

# PowerP™ Specifications

|                            |   |
|----------------------------|---|
| <b>Label name</b>          | PowerP  |
| <b>Application</b>         | People tracking with credit card form factor  |
| <b>Dimensions</b>          | 85 x 54 x 1.5 mm  |
| <b>Operating frequency</b> | PowerP-U704 (902-928 MHz)<br>PowerP-E704 (865-868 MHz)<br>PowerP-J704 (952-955 MHz) |
| <b>Protocol</b>            | EPCglobal Class 1, Gen 2<br>ISO 18000-6C  |
| <b>Memory</b>              | 96-bit EPC memory<br>720-bit on-chip user memory<br>64-bit tag unique identifier    |
| <b>Power source</b>        | Integrated proprietary disposable battery   |
| <b>Antenna</b>             | Planar printed antenna  |
| <b>Life expectancy</b>     | 2 years (at room temperature)   |
| <b>Environmental</b>       | Operating temperature: -20° C to +60° C<br>Humidity: 5%-95% non-condensing          |



## About PowerID Ltd.

PowerID is the industry leader in the field of Battery-Assisted, Passive (BAP) RFID. The company provides reliable and cost-effective BAP RFID labels for selected applications in industries involving freight, metals, chemicals, people tracking, race timing, and the cold chain.

For more information, visit [www.power-id.com](http://www.power-id.com)



We are a proud member of  EPCglobal



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