



## RFID Labels for General Purpose Logistics

### Description

Compliant with EPCglobal Class 1, Generation 2 and ISO 18000-6C, PowerG battery-assisted, passive (BAP) labels are used to track high value assets in challenging environments. PowerG is ideal for tracking pallets or containers carrying materials that challenge RFID performance, for example, mixed retail pallets and freight pallets.

### High performance, affordable price point

The PowerG label provides superior performance due to PowerID's thin and flexible, environment-friendly battery on board the label. This power source obviates the need to harvest energy from the RF reader, which often causes passive RFID labels to fail in providing required performance.

PowerG is the ideal label for companies searching for high performance, affordable RFID labels.

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 the 860-960 MHz spectrum preferred by logistics operators
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 logistics environments that include metals and liquids

# PowerG™ Specifications

<b>Label name</b>	PowerG
<b>Application</b>	General purpose logistics, such as pallet tracking
<b>Dimensions</b>	85 x 54 x 0.9 mm
<b>Operating frequency</b>	PowerG-U403 (902-928 MHz) PowerG-E403 (865-868 MHz) PowerG-J403 (952-955 MHz)
<b>Protocol</b>	EPCglobal Class 1, Gen 2 ISO 18000-6C
<b>Memory</b>	96-bit EPC memory 720-bit on-chip user memory 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 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)



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