



RFID Labels for Tracking Paper Reels

Description

PowerR is the first RFID label that combines high reliability, omnidirectional, high range reading with affordability for the newspaper and media publishing industry. Applied on the outside of the core, between the core and the paper, PowerR provides up to 8 meters read range from the paper reel at affordable prices.

PowerR is used by paper manufacturers and newsprinters to track paper reels in the supply chain and storage, providing rapid ROI resulting from real time tracking and “just in time” ordering.

Surviving the rigors of the paper reel supply chain

PowerR is designed to withstand the tough paper supply chain, from paper mill to printing machine. PowerR is durable enough to withstand the paper winding process as well as the journey from the mill to the end-user. In addition, the PowerR label demonstrates reliable reading at read points in the mill, with clamp trucks, and at the print site.

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 the 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 paper reel tracking	Withstands rigorous paper reel winding and logistics process


PowerR™ Specifications

Label name	PowerR
Application	Tracking paper reels
Dimensions	160 x 90 mm
Operating frequency	860-960 MHz
Protocol	EPCglobal Class 1, Gen 2 ISO 18000-6C
Memory	96-bit EPC memory 720-bit on-chip user memory 64-bit tag unique identifier
Power source	Integrated proprietary disposable battery
Antenna	Planar printed antenna
Life expectancy	2.5 years (at room temperature)
Environmental	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, paper, people tracking, race timing, and the cold chain. With corporate headquarters in Israel, PowerID is a privately-held company backed by first-tier investors such as Partech International, Apax Partners, Amadeus Capital Partners, Infinity Venture Capital, and Bank of America. For more information, visit www.power-id.com

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