

RFID > Solar (PV Module) ID & Traceability > Solution Sheet

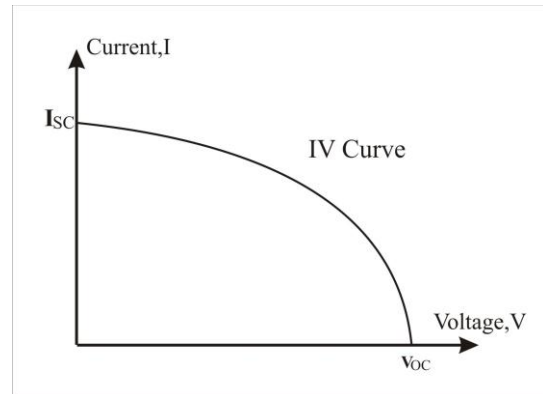


RFID-enabled Solar compliance solution

India's National Solar Mission mandates that each PV module used in solar power project must use a Radio-frequency identification (RFID) tag containing (storing) manufacturer, origin & technical data as per MNRE standards. Great Eastern's *RFID-enabled Solar compliance solution* is a proven, integrated, and affordable system (comprising of RFID hardware, tags, software & professional services) that helps manufacturer capture/ encode compliance data on item-level, and implement unique identification & traceability based on global standards.

RFID module (application)

- ✓ Desktop & mobile platform
- ✓ Online or offline data capture
- ✓ Reader integration with Sun simulator
- ✓ Tag write with USB reader/ RFID printer
- ✓ Mobile read, write & verification
- ✓ Item-level identification & visibility
- ✓ IV curve of individual panel on-demand
- ✓ Asset lifecycle management (optional)
- ✓ Custom reports & log (item/ project level)



UHF Passive labels & tags

- Alien Higgs 3 chip
- 96 bit EPC + 512 bit user memory
- EPC Gen2, ISO 18000-6C compliant
- Antenna size: 95 x 8mm, 93 x 19mm
- Label size: 100 x 30mm, 100 x 25mm
- Label material: Paper or Film (polyester)
- UL approved materials for high temperature
- Print & encode with variable data, barcodes
- Suitable for internal or external application

RFID handheld reader

- UHF, EPC Gen2 (ISO 18000-6C) compliant
- Windows CE 5.0 or Win Mobile 6.5 (OS)
- Marvell™ PXA 320 806 MHz processor
- Memory 256MB RAM / 256MB ROM
- 3.5" Touch LCD Color Display
- Bluetooth & WIFI ready (802.11 b/g/a)
- Vibrator, LED & speaker (user friendly)
- Li- ion battery (rechargeable, long life)
- Communication cradle & Gun Grip
- IP 65 rated for durability



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Value Proposition

Domain expertise

Great Eastern Impex (GEI) is a leading systems integrator & solution provider in Auto ID technologies (barcode, mobile computing & RFID) with expertise of over 30 years in delivering value & innovation to multitude of customers in Manufacturing, Distribution & Retail businesses

Custom solutions

Solutions Group provides custom-built & standards-driven Auto ID solutions that are tailored to fit unique business & customer's requirements. Needs analysis, modular approach to solution design, & seamless integration with enterprise applications ensure a faster ROI & long-term success

Manufacturing capability

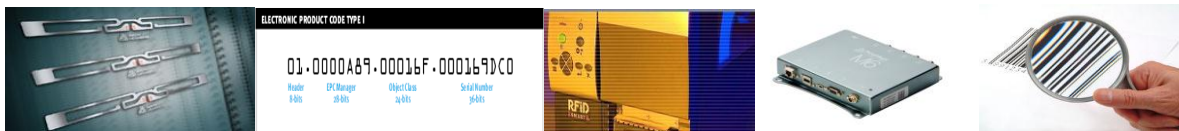
Leading converter of RFID smart labels & tags with state-of-the-art manufacturing operations at Gurgaon (ISO 9001: 2008 certified facility). The company offers a one-stop approach to all RFID media requirement (critical component in Auto ID systems) & helps meet cost, speed and flexibility using the latest technology

Technology partnerships

Partnership with leading RFID suppliers in the Industry to provide reliable & high-performance products - Toshiba TEC, Japan; Thing magic Inc., USA; ATID Co. Korea; Alien Technology Inc. USA ; Smartrac N.V.; & Avery Dennison Inc., USA

Nationwide support

Team of certified and experienced technicians provides a suite of professional services: Site surveys, Implementation & Training; Integration services; & after-sales support (with strategically located regional offices at NCR, Mumbai, Pune, Bangalore, Chennai, Hyderabad, Kolkata, & Ludhiana)



Contact

To find out more on how RFID & related Auto ID technologies can help improve business productivity and profits, please contact:



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