UHF RFID · 865–868 MHZ · SOLAR STRIP TAG

ID-0894-U9

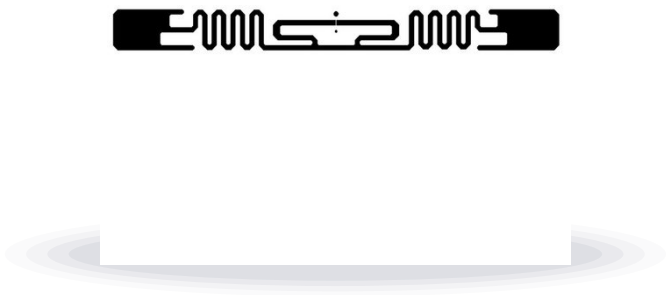
An 8 × 94 mm UV-stable UHF strip tag that identifies each solar module by its serial.

U9 chip, 96-bit EPC | 865–868 MHz | 8 × 94 mm strip | –40 to +85 °C | UV-stable PET

Modules identified from the walkway.

The **Identium ID-0894-U9** gives each photovoltaic module a serial number that a UHF reader picks up without line of sight. Its 8 × 94 mm strip runs along the module frame, on UV-stable PET with an outdoor adhesive, rated from –40 °C to +85 °C.

The U9 chip's 96-bit EPC normally carries the module serial, the key to wattage, batch and installation records in your asset software. Technicians read rows with a UHF handheld while walking the array, at up to 5 m depending on reader and mounting.



5 m	8 × 94	96-bit	–40/+85	10+ yrs
Frame-mounted, up to	Strip size, mm	EPC for the module serial	°C operating	UV rating outdoors

WHAT IT DOES

Read, fix and keep records

READ
U9 chip, India UHF band

- 865–868 MHz, India band
- 96-bit EPC for the serial
- Up to 5 m, frame-mounted
- Read from the walkway

FIX
Along the module frame

- 8 × 94 mm strip shape
- UV-stable PET substrate
- Outdoor adhesive
- –40 °C to +85 °C operating

RECORD
Serial-keyed records

- Commissioning and handover
- Warranty claims by serial
- Security rounds by row
- End-of-life recycling

WHERE IT WORKS

Where the tag goes

Asset registers	Warranty	O&M teams	Rooftop solar	Panel audits	Recycling
Solar park asset registers	Module warranty records	O&M; panel identification	Rooftop solar maintenance	Panel count audits	End-of-life recycling records

HOW IT WORKS

From a tagged module to your asset register

Solar modules
Ground-mounted and rooftop arrays, from commissioning to recycling

ID-0894-U9
UHF RFID SOLAR PANEL TAG
- Runs along the module frame
- Holds the module serial in the EPC
- Stays on outdoors: UV-stable PET
- Answers readers at 865–868 MHz
- Read at up to 5 m, frame-mounted

UHF handheld
Technicians read rows of modules while walking the array

Asset software
Wattage, batch, warranty and installation records keyed on each serial

Trial on your own module
Try the tag on your module type and mounting position first; tags can be supplied pre-encoded with your serials.

WHY THE ID-0894-U9

A serial on every panel

Made for the module frame
The 8 × 94 mm strip is shaped to be applied along the frame of a photovoltaic module.

Built for outdoor life
UV-stable PET with an outdoor adhesive, rated for 10+ years outdoors.

Indian rooftop temperatures
Rated –40 °C to +85 °C, covering the heat and cold an Indian rooftop or ground-mounted array sees through the year.

Read from the walkway
Up to 5 m frame-mounted, depending on reader and mounting, so technicians identify modules without reaching each panel.

The serial as the key
The 96-bit EPC carries the module serial, linked to wattage, batch and installation records in your software.

Warranty and audits
Link each serial to its installation date and string location; compare the panels read in a row against the list.

Pre-encoded serials
Share your serial-number format with your quotation request; pre-encoding is confirmed with the quote.

India UHF band
Operates at 865–868 MHz, so any UHF reader set to the India band reads it.

CHIP AND MEMORY

Chip, memory and environment

PARAMETER	ID-0894-U9	NOTES
Chip	NXP UCODE 9 (U9)	Read and written by UHF readers
Frequency	865–868 MHz	India UHF band
EPC memory	96 bits	The module serial
Read range	Up to 5 m	Frame-mounted, reader-dependent
Environment	–40 °C to +85 °C	UV rated for 10+ years outdoors

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AT A GLANCE

- 8 × 94 mm UV-stable PET strip, outdoor adhesive
- Rated –40 °C to +85 °C, 10+ years UV outdoors
- 96-bit EPC for the module serial, up to 5 m

SUPPLIED AS

- 8 × 94 mm UV-stable PET strip tags with outdoor adhesive
- Blank, or pre-encoded with your module serials
- Share your serial-number format with your quotation request

ORDERING

ID-0894-U9 UHF RFID solar panel tag, 8 × 94 mm, U9 chip, 96-bit EPC, 865–868 MHz.

SPECIFICATIONS

Technical data

RF AND CHIP	
Frequency	865–868 MHz (India)
Chip	NXP UCODE 9 (U9)
Memory	96-bit EPC
Read range	Up to 5 m (frame-mounted, reader-dependent)

ENVIRONMENT	
Operating temp.	–40 °C to +85 °C
UV resistance	Rated for 10+ years outdoors

TAG	
Dimensions	8 × 94 mm
Material	UV-stable PET with outdoor adhesive
Mounting	Adhesive, applied along the module frame

DATA	
EPC	Module serial number
Software	Wattage, batch, warranty and location kept against the serial

WHICH SOLAR TAG?

ID-0894-U9 or ID-9640

	ID-0894-U9	ID-9640
Size	8 × 94 mm strip	98 × 12 mm label
Face	UV-stable PET with outdoor adhesive	Printed paper, laminated onto the panel
Fitting	Applied along the module frame	Laminated on the module line
Temperature	–40 °C to +85 °C	–20 °C to +80 °C
Read range	Up to 5 m, frame-mounted	Up to 6 m typical; rated 0–10 m
Best for	EPC contractors and O&M; teams tagging fitted modules	Module makers tagging on the production line

PRODUCT VIEWS

The ID-0894-U9 strip



Trial a tag on your module.

Ask for a quotation with the quantity and your serial-number format, and try samples on your own module type and mounting position.

www.indiarfidstore.com
marketing@indiarfidstore.com
+91 70110 01472

Read range depends on the card or tag, its size and the environment. Specifications are indicative and may change without notice; confirm details for your order in the quotation.