

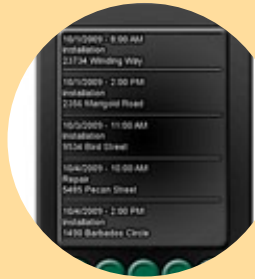
Digital Nameplate® Applications In:

Solar Energy Solar Panel Installations

A Digital Nameplate® provides critical traceability information that improves the accuracy and efficient of installations while reducing costs through the automation of inventory management.



Solar modules are shipped to installers with a temporary, paper ID tag.



Installer accesses list of assigned installs from scanning device and initiates an installation.



Installer begins installing modules.



Scanning device compares metrics of module to requirements of installation, warning installer in case of conflicts.



Scanning device displays module specifications such rated current, rated voltage, and dimensions.



Installer scans temporary tag and replacement Digital Nameplate®.



Installer removes temporary tag and affixes Digital Nameplate® to module.



Installer makes notes regarding installation, such as shade issue.



Installation history and inventory usage is uploaded to corporate database from scanning device.

ADVANTAGES OF A DIGITAL NAMEPLATE®

A Digital Nameplate® offers high data capacities, small foot prints, and resistance to weather and wear and tear. A Digital Nameplate® can contain both printed and multiple types of digital data, offering more options for integration into corporate information systems.

A Digital Nameplate® is a superior solution to these traditional alternatives:

Color Coding systems have limited capacity for identifying types of parts and offer no ability to track information specific to a part, such as repair history.

1D Barcodes offer limited data capacity and require larger foot prints, requiring more surface area on the part to be tracked.

Etching Techniques

(inscribing serial numbers directly on parts) have limited capacity to store data, and require larger foot prints. They also lack the potential for integration into information systems.

Standard Labeling “pen and paper” labels are error prone and potentially suffer from legibility issues. Integration into information systems is difficult and they are not as resistant to wear and tear.

