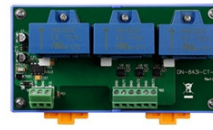




Making Data Acquisition Easy

CAGE/NCAGE Code: 3FNFO



DN-843i-CT-1



I-7520



M-7017

## Solar Panel Energy Monitoring

With the increase and advancement of solar PV (Photovoltaic) being installed, it is crucial for system owners to know that, not only are they getting their ROI (Return-On-Investment) but more importantly, their solar panels have been properly installed. The demand for accurate and reliable performance data are at an all-time high. In order to do, system owners must know the importance of data monitoring.

Data monitoring allows the users to see status information like kwh and temperature. After connecting the solar panels to the inverter, such as DN-843i-CT-1 (a 3 channel current input sensor board with channel to channel isolation) , and implementing the M-7017 (analog input module, communicable over Modbus RTU) and I-7520, (convert ing RS-485 Modbus RTU to RS-232), the user can view reports on the PC. The information can easily be recorded and compared to know that system is functioning properly. For example, if the system is under performing, it can be because an inverter blew a fuse .With the reordered information, the system owner can address the problem quickly.



Established in 2001, ICP DAS USA is an industrial automation manufacturer committed to providing reliable, cost-effective, and flexible embedded control and data acquisition solutions. Our technology is utilized by system integrators, OEMs, and industrial users in a wide variety of industries, such as energy and power, factory and machine, oil and gas, agriculture, and aerospace.

To learn more about the variety of ideas and real projects integrated with ICP DAS hardware, visit [www.icpdas-usa.com](http://www.icpdas-usa.com), or call 1-888-971-9888 to be assisted in reviewing project requirements, to ensure that the highest quality solution in your final application.