

## Feature Set

Use Cases Supported		<ul style="list-style-type: none"><li>• Single panel power verification with temperatures</li><li>• Microinverter MPPT verification and sweep capture</li><li>• String power verification with temperatures</li><li>• String inverter MPPT verification and sweep capture</li><li>• Electronic load sweep capture</li></ul>	
Tri-range Voltmeter	LTC2348-18	Full scale 60VDC 120VDC 700VDC	Resolution < 1mV < 2mV < 10mV
Ammeter	LTC2348-18	10A	< 0.2mA
Temperature Sensor Inputs	LTC2983	5 RTD – 2,3,4 wire 10 Thermocouples - B, E, J, K, N, S, R, T 0.1°C accuracy and 0.001°C resolution	
Operating Temperature Range		-20°C to 60°C, holds measurement accuracy over range	
Real Time Clock		NTP time reference synchronization Disconnected accuracy < 0.3sec/day	
Power Supply	Turnigy Lipo	Rechargeable/replaceable COTS 3-cell LiPo battery Parasitically panel powered, < 0.01% consumption Consumption disabled during data acquisition	
Sampling		Simultaneous voltage and current measurement No multi-channel multiplexer 18-bit, 200K samples/sec max, full differential Configurable sample rate between 1/5min – 200K/sec	
Data Storage	uSDHC	4GB non-removable – FAT32 file system, timestamped data, date-based filenames, CSV format	
Configuration		Bluetooth enabled cell phone application (IOS/Android) Settings: user label, sample rate, data transfer frequency/destination URL, filename format, WiFi configuration, timezone, calibration constants	
Communication		Bluetooth Low Energy configuration and data display, phone app will show live summary table of all field devices, WiFi data transfer	
Calibration		Requires power supply and precision voltmeter/ammeter	
Enclosure		3”x5”x3”, plastic, IP65, MC4 pigtail connections, mountable, no high voltage access, no buttons, no display, safety markings, viewable serial number	
Price		\$990.00	