

# SAGEON<sup>®</sup> SHIELD STANDALONE BATTERY MONITOR

10-1031



The Sageon<sup>®</sup> Shield battery monitor is a stand-alone solution for monitoring the status of 48V battery strings. The Sageon<sup>®</sup> Shield, as a member of the Sageon<sup>®</sup> SageView<sup>®</sup> software 'family', has the familiar SageView<sup>®</sup> look and feel. It is also an excellent addition for non-Sageon<sup>®</sup> plants, adding battery monitoring capability with the same SageView<sup>®</sup> software interface.

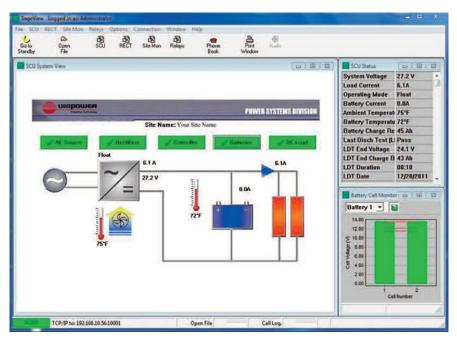
The Sageon® Shield can be used to monitor individual cell voltages of a battery during a float or equalization operation, during a charge/discharge, and up to 4 battery current channels during charge/discharge (with optional current transducers).

Each Sageon<sup>®</sup> Shield battery monitor is capable of monitoring the voltages of up to 24 cells or mono-blocks and can be expanded via the optional Sageon<sup>®</sup> Battery Monitor (SBM) to monitor 3 additional battery strings of 24 cells or mono-blocks each.

Using the TCP-IP/SNMP remote communications ability of the Sageon<sup>®</sup> Shield battery monitor and the SageView<sup>®</sup> software installed on your PC, cell voltages can be viewed in 'real time'. From within SageView<sup>®</sup>, your cell voltage data can be viewed in various formats, providing you with a snapshot of the health of your power plant's batteries.

The Sageon<sup>®</sup> Shield ships as standard with: in-line power protection devices, 1 x 10' (~3m) ambient temperature sensor, 1 x 10' (~3m) battery temperature sensor, and a 25' (~7.6m) battery string (24 cell) wiring harness with 5/16" battery post adaptor terminals.

## THREE YEAR WARRANTY



## SAGEVIEW® SCREENSHOT (MAIN BATTERY SCREEN)

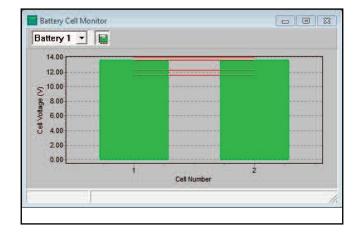
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#### SAGEVIEW® SCREENSHOT (BATTERY CELL MONITOR - TEXT)

Battery 1 💌 🔛	
Current (A)	0 A
Cell 1 Volts	13.595 +0
cell 2 Volts	13.610 +0

#### SAGEVIEW® SCREENSHOT (BATTERY CELL MONITOR - GRAPH)



#### SAGEVIEW® SCREENSHOT (SCU STATUS)

System Voltage	27.2 V
Load Current	6.1A
Operating Mode	Float
Battery Current	0.0A
Ambient Temperature	70°F
Battery Temperature	68°F
Battery Charge Remain	45 Ah
Last Disch Test (LDT)	Pass
LDT End Voltage	24.2 V
LDT End Charge Bat1	44 Ah
LDT Duration	00:10
LDT Date	12/29/2011

#### SAGEVIEW® SCREENSHOT (HTTP WEBPAGE)

) (-) (-) http://192.168.1 Remote Monitoring	×	,Q - ≅ d X	III IA
Remote Monitoring			
IP Address: 192.168.	10.56:10003		
System Volts (V):	27.2		
Load Current (A):	6.1		
Number of Alarms :	0		
ageNET Firmware Version:	169-4141-15		
SageNET Webpage Version:			



# SAGEON® SHIELD ORDER CODE: 103.4023.01

#### ACCESSORIES & OPTIONAL EQUIPMENT

Description	Order Code
23" Rack Mount Centering/Offset Kit	385.2999.70A
Sageon Battery Monitor (SBM)	103.4011.00
Temperature Concentrator Board	ERT190.6010
Temperature Sensor Cable - 10ft (3m)	385.5941.03
Temperature Sensor Cable - 10ft (3m)	385.5941.03
Temperature Sensor Cable - 20ft (6m)	385.5941.06
Temperature Sensor Cable - 50ft (15m)	385.5941.15
Temperature Sensor Cable - 100ft (30m)	385.5941.30
Cell Monitoring Wire Harness - 10ft	385.7812.10
Cell Monitoring Wire Harness - 25ft	385.7812.25
Cell Monitoring Wire Harness - 50ft	385.7812.50
Cell Monitoring Wire Harness - 100ft	385.7812.100
Battery Post Adaptor - #10 Ring	385.6151.03
Battery Post Adaptor - 1/4in Ring	385.6151.04
Battery Post Adaptor - 5/16in Ring	385.6151.05
Battery Post Adaptor - 3/8in Ring	385.6151.06
Battery Post Adaptor - 1/2in Ring	385.6151.07
Power Input - 5/16in Ring	385.6151.15
Current Transducer Kit - 200A, Closed Window (Circ. 1.25" dia.)	385.5971.200
Current Transducer Kit - 400A, Closed Window (Circ. 1.25" dia.)	385.5971.400
Current Transducer Kit - 600A, Closed Window (Rect. 2.51" x 0.82")	385.5971.600
Current Transducer Kit - 200A, Split Core (Circ. 0.84" dia.)	385.5972.200
Current Transducer Kit - 400A, Split Core (Circ. 0.84" dia.)	385.5972.400
Current Transducer Kit - 800A, Split Core (Rect. 4.00" x 1.57")	385.5972.800

#### **ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature	-15°F (-25°C) to 158°F (70°C)
Storage Temperature	-15°F (-25°C) to 158°F (70°C)
Humidity	0 to 90% RH (non-condensing)
Altitude	13,100ft (3,993m)
Cooling	Natural Convection

#### PHYSICAL SPECIFICATIONS

Width	19" (483mm)	]
Height	1.75" (44mm) - 1RU	
Depth	14.5" (368mm)	
Weight	14.0 lbs (6 kg)	

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