



**Australian Government**  

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**National Solar Schools Program**

# Data Collection, Storage and Visualisation System Approved Components List 11 September 2009

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## Communications Equipment

<b>Component Details</b> ⓘ New to list since date last published	<b>Component Type</b>	<b>Supplier</b> ☑ Component is also offered as part of a package
Datacall Gateway ⓘ	3G Gateway	Datacall Telemetry Pty Ltd
Datacall Sustainable School Fleck D ⓘ	Wireless sensor	Datacall Telemetry Pty Ltd
Energy Tracking Web Enabled Meter WEM-MX-333mV ⓘ	Meter with integrated web server	Veederline Pty Ltd
Energytracker Web Enabled Pulse Data Logger WEPM ⓘ	Pulse data logger with integrated web server	Veederline Pty Ltd
Fronius Datalogging Web Box F-FRO-DWEB (4,240,122)	Data logging gateway	Choice Electric Co
Fronius Sensor Box ⓘ	Data logger and Fronius RS485 communications device	Fronius International
ICP Solar Sunsei GreenMeter GM 2000	Data logger	The Green Box Solution ☑
InterCEL SAM 3G Modem	Wireless telecommunications modem	Not specified
Interworld SS-BLT-300PR ⓘ	RS422/485 to Bluetooth adaptor	Interworld Electronics & Computer Industries (Aust) Pty Ltd
Maxon Unimax	HSPA Ethernet router	Storm Water Australia Pty Ltd ☑
MeterMate Aura CG	Data logging wireless gateway with GPRS	MeterMate Meter Monitoring Service ☑
MeterMate Aura MG	Data logging gateway with GPRS	MeterMate Meter Monitoring Service ☑
Miniweb Interactive Mini Series Mini_3G	Wireless data concentrator and protocol converter	Eltec Energy Services Innovative SCADA Solutions Pty Ltd
MyEnergyBox EB9100 ⓘ	Data logger & GPRS communications unit	EnergyBank ☑
SMA School Meterbox	Gateway	SMA Australia Pty Ltd ☑
SMA Sunny Sensorbox	Sensor data communications device	SMA Australia Pty Ltd ☑
Spinwave Pacific A3 Range	Wireless communications system	Spinwave Pacific Pty Ltd ☑
Spinwave Pacific CN Range	Wireless communications system with control	Spinwave Pacific Pty Ltd ☑
Sunskool FST Gateway Moxa UC-7110	Gateway and data logger	Storm Water Australia Pty Ltd ☑
Thinlinx Hot-e box	Data logger and controller	solarschools.net ☑
TP-Link Wireless Access Point TL-WA601G TL-WA501G	802.11 wireless access point	Not specified

## Data Storage Solutions

<b>Component Details</b> ① New to list since date last published	<b>Component Type</b>	<b>Supplier</b> ☑ Component is also offered as part of a package
ASUS Tek EEE Linux Box B202	Hardware-based onsite primary	Not specified
Aurora Easy Control PVI-AEC-BASIC①	Hardware-based	Solar Inverters Pty Ltd
Aurora Easy Control PVI-AEC-LIGHT①	Hardware-based	Solar Inverters Pty Ltd
Aurora Easy Control PVI-AEC-PRO①	Hardware-based	Solar Inverters Pty Ltd
Cachelan SolarVu Schools Energy Information Enterprise Database Solution	Off-site solution	The Green Box Solution ☑
Centralised Data Storage CENT0001	Off-site solution	Not specified
Datacall Sustainable Schools Server System①	Off-site solution	Datacall Telemetry Pty Ltd
Fat Spaniel Technologies PV2 Web	Off-site solution	Storm Water Australia Pty Ltd ☑
Fronius Datalogger Web Box F-FRO-DWEB (4,240,122)	Hardware-based onsite primary	Choice Electric Co
ICP Solar Sunsei Greenmeter	Hardware-based backup only	The Green Box Solution ☑
MeterMate Data Storage	Off-site solution	MeterMate Meter Monitoring Service ☑
Miniweb Interactive Mini Series Mini_3G	Hardware-based onsite primary	Eltec Energy Services Innovative SCADA Solutions Pty Ltd
myENERGY①	Off-site solution	EnergyBank ☑
OMEGA iServer pulse logger IFPX_W MicroServer	Hardware-based backup only	Not specified
Red Lion Data Station Plus DSPSX000 & DSPGT000	Hardware-based onsite primary	Affordable Eco Systems Pty Ltd
Red Lion G303 HMI	Hardware-based onsite primary	Affordable Eco Systems Pty Ltd
Red Lion G306 HMI	Hardware-based onsite primary	Affordable Eco Systems Pty Ltd
Red Lion G308 HMI	Hardware-based onsite primary	Affordable Eco Systems Pty Ltd
Red Lion G310 HMI	Hardware-based onsite primary	Affordable Eco Systems Pty Ltd
Red Lion G315 HMI	Hardware-based onsite primary	Affordable Eco Systems Pty Ltd
SMA Sunny Portal/Webbox	Webbox must be configured so that IP address can be accessed from student computers (see SMA Webbox Manual)	SMA Australia Pty Ltd ☑
Solarschools.net	Off-site solution	solarschools.net ☑
Spinwave Pacific Lifeguard Monitor	Hardware-based onsite primary	Spinwave Pacific Pty Ltd ☑
Sunskool FST Gateway	Hardware-based backup only	Storm Water Australia Pty Ltd ☑
Thinlinx Hot-e box	Hardware-based backup only	solarschools.net ☑
WebGraphs v2.2①	Off-site solution	Testing and Certification Australia

## Energy Meters

<b>Component Details</b> ① New to list since date last published	<b>Component Type</b>	<b>Comments</b>	<b>Supplier</b> ☑ Component is also offered as part of a package
AccuEnergy Acuvim II	3 phase	Complies for green and black data	Innovative SCADA Solutions Pty Ltd
AccuEnergy EV167①	1 phase smart/digital	Complies for green and black data	Eltec Energy Services
AccuEnergy EV190①	1 phase smart/digital	Complies for green and black data	Eltec Energy Services
AMPY EM1200	1 phase bi-directional	Complies for green and black data	Not specified
AMPY EM5300	3 phase bi-directional	Complies for green and black data	Not specified
Crompton Integra 1630	1 or 3 phase bi-directional	Complies for green and black data	Crompton Instruments
EDMI Atlas MK7A	1 phase smart/digital	Complies for green and black data	EDMI Pty Ltd
EDMI Atlas MK7C	1 phase smart/digital	Complies for green and black data	EDMI Pty Ltd
EDMI Atlas MK10	3 phase smart/digital	Complies for green and black data	EDMI Pty Ltd
Electrex Femto PFA6-C11-12	3 phase bi-directional smart/digital	Complies for green and black data	MeterMate Meter Monitoring Service ☑
Electrex Femto PFA6-A11-12	3 phase bi-directional smart/digital	Complies for green and black data	MeterMate Meter Monitoring Service ☑
Electrex Femto PFA6-411-12	3 phase bi-directional smart/digital	Complies for green and black data	MeterMate Meter Monitoring Service ☑
Electrex Femto PFA6-431-12	3 phase bi-directional smart/digital	Complies for green and black data	MeterMate Meter Monitoring Service ☑
Elkor WattsOn	1 or 3 phase bi-directional smart/digital	Complies for green and black data	Storm Water Australia ☑
Energy Tracking Web Enabled Meter WEM-MX-333mV①	1 or 3 phase bi-directional smart/digital	Complies for green and black data	Veederline Pty Ltd
Kaifa DDS67①	1 phase bi-directional	Complies for green and black data	Semitech Innovations Pty Ltd
Landis + Gyr EM1000	1 phase smart/digital	Complies for green and black data	The Green Box Solution ☑
Landis + Gyr EM3050	3 phase	Complies for green and black data	The Green Box Solution ☑
Latronics DIN kWh meter	1 phase	Complies for green and black data	Datacall Telemetry Pty Ltd MeterMate Meter Monitoring Service ☑
Schneider Electric EN40	1 phase smart/digital	Complies for green and black data	Eltec Energy Services Schneider Electric Pty Ltd
Schneider Electric ION6200	1 or 3 phase smart/digital	Complies for green and black data	Eltec Energy Services Schneider Electric Pty Ltd
Schneider Electric ION7300, PM810MG	1 or 3 phase smart/digital	Complies for green and black data	Schneider Electric Pty Ltd
Schneider Electric ION7330, PM820MG	1 or 3 phase smart/digital	Complies for green and black data	Schneider Electric Pty Ltd
Schneider Electric ION7350, PM850MG, PM870MG	1 or 3 phase smart/digital	Complies for green and black data	Schneider Electric Pty Ltd

## Energy Meters

<b>Component Details</b> ① New to list since date last published	<b>Component Type</b>	<b>Comments</b>	<b>Supplier</b> ☑ Component is also offered as part of a package
Schneider Electric ION7550, ION7650	1 or 3 phase smart/digital	Complies for green and black data	Schneider Electric Pty Ltd
Schneider Electric PM9C	1 or 3 phase smart/digital	Complies for green and black data	Schneider Electric Pty Ltd
Schneider Electric PM9P	1 or 3 phase smart/digital	Complies for green and black data	Schneider Electric Pty Ltd
Socomec Countis ATv2①	3 phase	Complies for green and black data	EnergyBank ☑

## Inverter-based Meters

<b>Component Details</b> ① New to list since date last published	<b>Supplier</b> ☑ Component is also offered as part of a package
SMA Sunny Boy	SMA Australia Pty Ltd ☑
SMA Windy Boy	SMA Australia Pty Ltd ☑
SMA Sunny Mini Central (SMC)	SMA Australia Pty Ltd ☑

## Temperature Sensors

<b>Component Details</b> ⓘ New to list since date last published	<b>Comments</b>	<b>Supplier</b> ☑ Component is also offered as part of a package
CHROMEGA – Constantan T Probe ⓘ	Approval includes installation with NEWPORT Temperature iServer TCX	Not specified
Dallas Semiconductors/Maxim DS1822	Approval includes installation with ADAM-4018+ or ADAM 4019+ Input Module	The Green Box Solution ☑
Dallas Semiconductors/Maxim DS18B20	Approval includes installation with ADAM-4018+ or ADAM 4019+ Input Module Approval includes installation with Embedded Data Systems STP device, connected to a Gateway or Fleck Node	solarschools.net ☑
Dallas Semiconductors/Maxim DS18S20	Approval includes installation with Wavetherm Wireless Temperature Sensor Approval includes installation with Embedded Data Systems STP device, connected to a Gateway or Fleck Node	MeterMate Meter Monitoring Service ☑
Farnell KMI/3X150 (IEC) 7078183	Approval includes installation with ADAM-4018+ or ADAM 4019+ Input Module	Affordable Eco Systems Pty Ltd
Fronius Ambient Temperature Sensor F-FRO S001 (43,0001,1188)	For use with the Fronius Sensorbox	Choice Electric Co
MyEnergy Temperature Sensor EBRTD01 ⓘ	For use with the MyEnergyBox communications device	EnergyBank ☑
PowerOne AEC Ambient Temperature Sensor PVI-AEC-T1000-INTEGR ⓘ	Unit includes converter and provides a voltage output	Solar Inverters Pty Ltd
PowerOne AEC Cell Temperature Sensor PVI-AEC-T100-ADH ⓘ	Unit includes converter and provides a voltage output	Solar Inverters Pty Ltd
SMA Ambient Temperature Sensor PT-100	Approval includes installation with SMA Sensorbox	SMA Australia Pty Ltd ☑
Spinwave CN SWS-RH-B6, SWS-TP, SWS-DTB6	Wireless temperature sensors compatible with Spinwave gateway components	Spinwave Pacific Pty Ltd ☑
Spinwave SN SWS-T, SWS-TO, SWS-TOS	Wireless temperature sensors compatible with Spinwave gateway components	Spinwave Pacific Pty Ltd ☑
SuperLogics TC-61XKBEX72A	Approval includes installation with ADAM-4018+ or ADAM 4019+ Input Module	Storm Water Australia Pty Ltd ☑
SuperLogics TC-KSTT10722	Approval includes installation with ADAM-4018+ or ADAM 4019+ Input Module	Storm Water Australia Pty Ltd ☑
Thermochron Thermometer DS1921G-F5, DS1920-F5 ⓘ	Output 1 wire protocol – for use with compliant device including Miniweb Interactive Mini Series Mini_3G	Eltec Energy Services
Veederline TC-003 Digital RTD Temperature Transmitter ⓘ	Installation requires application with a pulse receiver	Veederline Pty Ltd

## Web Visualisation

Component Details ① New to list since date last published	Comments	Supplier ☑ Component is also offered as part of a package
Cachelan SolarVu		The Green Box Solution ☑
myEnergy①		EnergyBank ☑
Online Data Viewer CENT0002①		Not specified
Solarschools.net		solarschools.net ☑
Solar SETS①		Not specified
Spinwave Pacific Lifeguard Monitor		Spinwave Pacific Pty Ltd ☑
Sunny Portal/Webbox①	Sunny Portal must be configured so that energy data is displayed as per: <i>Sunny Portal - Displaying the energy consumption in the Sunny Portal for SCHOOLMETERBOX AU</i> . This document is available from SMA Australia.	SMA Australia Pty Ltd ☑
Sunscool & Insite Manager		Storm Water Australia Pty Ltd ☑
www.metermate.com.au①		MeterMate Meter Monitoring Service ☑

## Packages\*

Name ① New to list since date last published	Company offering package
The Green Box Solution	The Green Box Solution
MeterMate①	MeterMate Meter Monitoring Service
Metropolis①	Metropolis Metering Assets Pty Ltd
MyEnergy①	EnergyBank
SMA Sunny Portal①	SMA Australia Pty Ltd
Solarschools.net	Solarschools.net
Solar SETS①	CarbonetiX Pty Ltd
Spinwave Pacific Lifeguard Monitor	Spinwave Pacific Pty Ltd
Sunscool and Insite Manager	Storm Water Australia Pty Ltd

\*packages comprise components listed elsewhere in this document

## Contacts

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Choice Electric Co	Ken Walpole	sales@choiceselectric.com.au	www.choiceselectric.com.au	(07) 3868 1999
Crompton Instruments (Tyco Electronics)	Kevin Thomson	kevin.thomson@tycoelectronics.com	www.crompton-instruments.com	0418 430 502
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EDMI Pty Ltd	Jeff Huysmans	jeffh@edmi.com.au	www.edmi.com.au	(07) 3881 6466
Eltec Energy Services (TLK Nominees)	Tom Weir	tom@eltecenergy.com.au	www.eltecenergy.com.au	(03) 9720 4520
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The Green Box Solution (The Green Box Solutions Co Pty Ltd)	Doug Whitehead	doug.whitehead@thegreenbox.com.au	www.thegreenbox.com.au	(07) 3844 8338
Innovative SCADA Solutions Pty Ltd	Louie Wong	louie.wong@innov8scada.com	www.innov8scada.com	(08) 9407 8848
Interworld Electronics & Computer Industries Pty Ltd	Allan Rosen	arosen@ieci.com.au	www.ieci.com.au	(03) 9593 7555
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