



Metering regulations, rules and Solar Analytics

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Overview

This document provides an overview of the current metering regulations and rules with respect to the use of hardware provided by Solar Analytics.

It should be noted that the rules and regulations for metering of energy in various applications in Australia are covered by several State and Federal regulatory bodies. These rules and regulations change from time to time and it is the responsibility of the purchaser and installer to ensure that they are fully aware of their legal and statutory obligations for the given application.

Specifically, purchasers and installers should be aware that the rules and regulations apply not only to the type of hardware used but also potentially the application, system size, annual energy consumption, who installs and or maintains the hardware and who manages the data. Significant penalties may apply for breaches of National Electricity Rules.

This document is thus provided as a general guide and should not be considered as explicit guidance.

Solar Analytics Meters

Solar Analytics core hardware is the WattWatcher range of products available with integrated 3G or 4G sim cards and either 3 or 6 calibrated CTs in a variety of sizes.

Solar Analytics also provides bundled solutions incorporating a WattWatcher Modbus enabled product coupled to PMC-220, PMC-340A and PMC-340B Pattern approved accumulation meters made by CET.

Depending on the project variables, either standard or bundled hardware solutions from Solar Analytics may be required and suitable in addition to other regulatory compliance services not provided by Solar Analytics.

Non-billing Applications

For **Non-billing applications** (e.g. monitoring & analytics only) standard Solar Analytics hardware is suitable and compliant.

Applicable standards include Electrical Standards compliance, C Tick and Communications Device Approvals.

Ref: [Solar Analytics Solar Smart Meter Certifications V1 2018](#)

Ref: [Accuracy Test Report](#)

LGC Applications

For **Large Generation Certificate** applications involving the creation of LGCs from solar systems measuring electricity flows less than 750MWh per annum, standard Solar Analytics hardware is suitable and compliant.

Applicable standards include Electrical Standards compliance, C Tick and Communications Device Approvals. The primary applicable regulatory body is the Clean Energy Regulator.

Ref: [LGC Compliance Statement](#)

SPPA Applications

For **Solar Power Purchase Agreement** applications involving the billing of solar energy a bundled Solar Analytics & CET meter is suitable and compliant.

Applicable standards include Electrical Standards compliance, C Tick, Communications Device Approvals and the National Electricity Rules. The primary applicable regulatory body is the Australian Energy Regulator. SPPA Retail Exemptions are required for SPPA providers.

Ref: [Solar Analytics Solar Smart Meter Certifications V1 2018](#)

Ref: [Classes of retail exemption & applicable conditions](#)

Embedded Network Applications

For **Embedded Network** applications involving sub billing of solar or other energy a bundled Solar Analytics & CET meter is compliant *provided that* additional regulations applicable to the site are met as required.

Applicable standards include Electrical Standards compliance, C Tick, Communications Device Approvals, National Energy Retail Law and the National Electricity Rules. The primary applicable regulatory body is the Australian Energy Regulator and the Australian Energy Market Commission.

Retail & or Network Exemptions are required for Embedded Network applications and in almost all cases an **Accredited Embedded Electrical Network meter provider** and/or an **Accredited Embedded Electrical Network Operator** and/or an **Accredited Metering Data Provider** are required.

Ref: [Solar Analytics Solar Smart Meter Certifications V1 2018](#)

Ref: [Exempt Selling Guidelines V5 2018](#)

Ref: [Electricity Network Service Provider - Registration Exemption Guideline V6 2018](#)

Ref: [National Electricity Rules \(Chapter 7 Metering v 117\)](#)