

Powerdiverter Model 3X Compliance Assessment Statement / Certificate

Manufacturer declaration for a standalone solar diverter / energy controller.

Product	Powerdiverter Model 3X
Product type	Standalone solar diverter / power controller, installed externally to the water heater by a licensed electrician
Manufacturer / issuer	Power Diverter Australia Pty Ltd
Date of statement	20 December 2024
Basis of statement	Manufacturer compliance assessment against the applicable safety and installation requirements for solar diverters

Declaration

Power Diverter Australia Pty Ltd declares that the Powerdiverter Model 3X has been fully assessed against the applicable requirements identified for solar diverters, including the standards and clauses listed below, as relevant to its design, intended use, and installation method. *This statement is issued as a manufacturer compliance assessment statement and is not represented as a third-party regulator-issued certificate.*

Standards and requirements assessed

Standard / requirement	Assessment area	Status
IEC 60730-1	Automatic electrical controls - Type 1 or Type 2 action controller requirements, including relevant construction, operational, environmental, cycle, temperature, and control function requirements.	Fully assessed
AS/NZS 4777.2:2015 - Clauses 5.4 to 5.9	Compatibility with electrical installation; power factor; harmonic currents; voltage fluctuations and flicker; transient voltage; DC current injection.	Fully assessed
IEC 62109-1 - Clause 4.6, where applicable	Back-feed voltage protection requirements where equipment can be connected to more than one energy source.	Assessed as applicable
AS/NZS 3000:2018 installation requirements	30 mA RCD protection; water heater isolating switch; warning signage where more than one circuit can supply the water heater.	Installation requirement

Installation conditions

- The Powerdiverter Model 3X must be installed by a suitably qualified licensed electrician.
- The solar diverter circuit shall be protected by a 30 mA RCD of the type specified by the manufacturer and installed in accordance with AS/NZS 3000.
- An isolating switch in accordance with clause 4.8.2.3 of AS/NZS 3000:2018 shall be installed for the water heater.
- Where more than one circuit can supply the water heater, warning signage shall be installed at the relevant switchboard and on the water heater.
- The product must be installed and used only in accordance with the Powerdiverter installation guide and instructions.

Required warning label

Where more than one circuit can supply the water heater, the warning label shall state:



Certification clarification

The referenced EESS solar diverter bulletin specifically states that an electric pressure storage water heater with an integral solar diverter is Declared, Prescribed or Level 3 equipment requiring mandatory Australian certification prior to sale. The Powerdiverter Model 3X is supplied as a standalone external solar diverter / controller and is not an electric pressure storage water heater with an integral solar diverter. *This statement should be read together with the product installation instructions and the compliance evidence held by Power Diverter Australia Pty Ltd.*

Signed:

Printed name:

Daniel Lawes

Position:

Director

Date:

20 December 2024