



Aquatran AQO Product Guide

Aquatran AQO Epoxy Encapsulated Outdoor Power Supplies

12 Volt

- AQ012-050
- AQ012-100
- AQ012-150
- AQ012-200
- AQ012-300
- AQ012-400

24 Volt

- AQ024-100
- AQ024-200
- AQ024-300
- AQ024-400



IP Rating Information

The IP (Ingress Protection) rating system provides a means of classifying the degrees of protection from foreign bodies and liquids afforded by electrical equipment and enclosures. The degrees of protection against the ingress of foreign bodies and liquids are indicated by the first two numerals as detailed in the table below. For example, IP66 rating provides total protection against the ingress of dust and can withstand powerful water jets.

1st Digit	Description	2nd Digit	Description
0	No Protection	0	No Protection
1	Protected against ingress of objects => 50mm in diameter.	1	Protected against vertically falling drops of water.
2	Protected against ingress of objects => 12.5mm in diameter.	2	Protected against vertically fallings drops of water, when enclosure tilted up to 15 degrees.
3	Protected against ingress of objects => 2.5mm in diameter.	3	Protected against spraying water.
4	Protected against ingress of objects => 1mm in diameter.	4	Protected against splashing water.
5	Dust Protected	5	Protected against water jets.
6	Dust Tight	6	Protected against powerful water jets.
		7	Protected against the effects of temporary immersion in water.
		8	Protected against the effects of continous immersion in water.



To locate your nearest distributor, visit www.telectran.com or call 1300-662-644.

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Aquatran AQO - Epoxy Encapsulated

The Aquatran AQO range of outdoor power supplies is the latest in fully weatherproof low-voltage power solutions. Designed and engineered in Australia, the AQO range is ideal for a variety of outdoor low-voltage power applications. Rated to IP67 for complete protection from the elements, the AQO will operate across Australia in all types of climates and environments. Perfect for outdoor lighting installations where performance, durability and aesthetics are all important.

- Contemporary design and housing
- IP67 Rated for full protection in outdoor use
- Auto-resetting thermal cutout
- High Quality Toroid
- Cable exit shrouds accommodate conduit connection
- Rugged Polycarbonate Enclosure
- Thermal and UV stable epoxy resin encapsulate
- Approved to AS/NZS/EN 61558.2.6
- 1.8M Flex Lead & Plug
- 0.8M 8mm² Low Voltage Lead

Approved

The Aquatran AQO is fully approved to the relevant clauses in AS61558 and is also CE certified for operation in the EU.



3-Year Limited Warranty

The Aquatran AQO comes with a 3-year limited warranty. In brief, this warranty covers defects in the manufacturing process but does not cover failure due to improper installation or usage for a purpose other than which it was designed.

Please see complete warranty terms by visiting www.telectran.com.

About IP Ratings

Some vendors sell burial power supplies that are advertised as submersible because they are rated to IP68. Whilst the Aquatran AQO is rated to IP68, we have chosen not to advertise it as submersible because we do not believe it is good installation practice to be running mains voltage cables into a pond or body of water. We do not recommend permanent installation of any mains voltage power supply in an under water environment.

Please see the back cover of this guide for IP Rating information.

Dimming

Dimming can be achieved through the use of an inductive-load dimmer only. Trailing and leading edge dimmers, the most common form of dimming unit used for incandescent or halogen dimming, cannot be used on a magnetic transformer like the AQO.

Installation Guidelines

- If hard wired into mains, unit must be installed by a qualified electrician and in accordance with local wiring rules.
- If unit is installed in an equipment cavity, adequate air flow must be provided.
- For mounting, use 4.8mm x 50mm self-tapping screws (or equivalent) and ensure that mounting surface can support unit weight.
- For best performance and longest lamp life, load the power supply at approximately 80% of it's stated rating.
- The input cable on the unit cannot be replaced; If it is damaged, the unit must be scrapped.

Model	Input	Output	VA	Width	Height	Length	Unit Weight (Kg)	Units per Carton	Carton Weight (Kg)
AQO12-050	240VAC / 50Hz	12 VAC	50	112	65	133	2.02	8	17
AQO12-100	240VAC / 50Hz	12 VAC	100	112	65	133	2.3	8	19
AQO12-150	240VAC / 50Hz	12 VAC	150	145	80	165	2.5	4	20
AQO12-200	240VAC / 50Hz	12 VAC	200	145	80	165	4.6	4	19
AQO12-300	240VAC / 50Hz	12 VAC	300	145	80	165	5.1	4	21
AQO12-400	240VAC / 50Hz	12 VAC	400	145	80	165	6.0	4	24
AQO24-100	240VAC / 50Hz	24 VAC	100	112	65	133	2.3	8	19
AQO24-200	240VAC / 50Hz	24 VAC	200	145	80	165	4.6	4	19
AQO24-300	240VAC / 50Hz	24 VAC	300	145	80	165	5.1	4	21
AQO24-400	240VAC / 50Hz	24 VAC	400	145	80	165	6.0	4	24

Dimensions 150VA - 400VA (50VA - 100VA)

