



APS

48VDC Output AC Input Power Supply Unit

Compact and reliable AC to DC switching power supply for Agilis Block-Up Converter (BUC).

Designed to exceed the rigorous quality and performance requirements of today's leading-edge communication solution. Available in both outdoor and indoor package.

Features

- Low output ripple
- Available in both outdoor and indoor package
- High power efficiency
- Extremely reliable
- Wide AC input ranging 90 to 264Vac
- Wide operating temperature -40°C to +60°C for outdoor PSU
- IP65 Weatherproof
- RoHS Compliant

Quality Assurance

100% thorough stringent quality checks in addition to well-defined Electrical Stress Screening to ensure operation in harsh outdoor environment conditions. All subjected to seal test for water ingress verification.

Reliability

Field proven under harsh environment conditions.

Agilis ODUs can withstand temperature ranging from -40°C to +60°C under 100% humidity.

Agilis IDUs can withstand temperature from 0°C to +50°C under 95% humidity.

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Technical Specifications

Specifications

Input Voltage	90 to 264Vac, 47 to 63Hz
Output Voltage	48Vdc \pm 5%
Protection	Over Current

Connector Interface

Outdoor PSU	12-3P @Input 12-4S @Output
Indoor PSU	3-core power cable open-end @Input Binding Post @Output

Product Selection

Application	BUC Series	BUC Output	PSU Model
Outdoor	ALBx29 (Ku band) ALBx30 (Ku band)	60W & below	APSVAC48-350
Indoor	ALBx50 (X band) ALBx90 (C band)	60W & below	APSVAC48-400-DM

Environmental

Operating Temperature	-40°C to +60°C (Outdoor PSU) 0°C to +50°C (Indoor PSU)
Relative Humidity	Up to 100% (Outdoor PSU) Up to 95% (Indoor PSU)
Weatherproof	IP65 (Outdoor PSU)

Mechanical

Dimension (excluding interface connectors)	L190 x W189 x H107mm (Outdoor PSU) L7.48" x W7.44" x H4.21" L295 x W140 x H57mm (Indoor PSU) L11.61" x W5.51" x H2.24"
Weight	3Kg / 6.6lbs (Outdoor PSU) 1.7kg / 3.8lbs (Indoor PSU)

Standard Part List for Standalone Configuration

ITEM	PRODUCT NAME	OPTION	PART NUMBER	QTY	DESCRIPTION
1	PSU	Outdoor	APSVAC48-xxx	01	PSU 48Vdc Out AC In Outdoor
2	Prime Power Input Cable	Outdoor / AC 220V	1001520980	01	Transient Protection Box 220Vac 5A 12-3S to Unterminated 3M
3	PSU	Indoor	APSVAC48-xxx-DM	01	PSU 48Vdc Out AC In Indoor

Option Items

ITEM	PRODUCT NAME	OPTION	PART NUMBER	DESCRIPTION
1	Prime Power Input Cable	110Vac / 3M	1001520979	Transient Protection Box 110Vac 5A 12-3S to Unterminated 3M
		220Vac / 30M	1001522100	Transient Protection Box 220Vac 5A 12-3S to Unterminated 30M

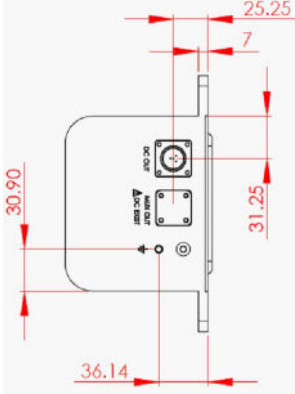
NOTE: All specifications subject to change without notice
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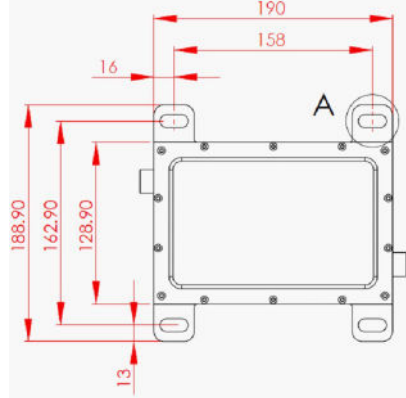
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Mounting Diagram

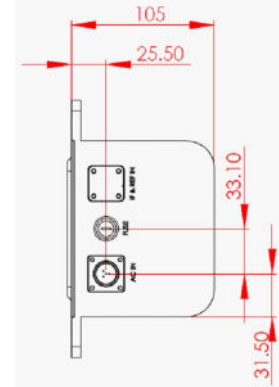
Side View – Outdoor PSU



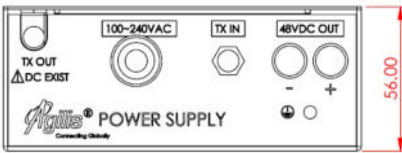
Top View – Outdoor PSU



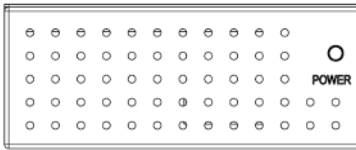
Side View – Outdoor PSU



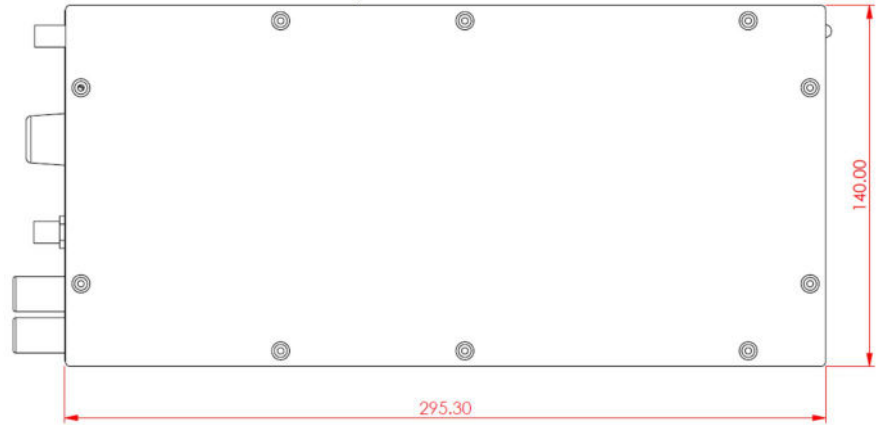
Side View – Indoor PSU



Side View – Indoor PSU



Top View – Indoor PSU



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