



# APS

## Power Supply Unit for Block-Up Converter

Agilis APS Series Power Supply Unit (PSU) is high reliability standard switching power supply for Agilis Block-Up Converter (BUC).

The APS series PSU is a compact and reliable AC to DC switching power supply. This PSU is housed in a compact metal housing with LED indication. This PSU series comes in 3 ranges of power rating with a maximum power rating of 400W. The APS series is available in both indoor and outdoor package

Our PSU are designed to exceed the rigorous quality and performance requirements of today's leading-edge communications solution.

### Features

- Compact power supplies for all Agilis BUCs
- Available in both indoor and outdoor solution
- Wide AC input range (115VAC to 230VAC)
- Complies with EMI/EMC standard
- Wide operating temperature range -40°C to +60°C for outdoor PSU
- Extremely reliable
- High power efficiency
- Low ripple output voltage
- Waterproof with IP65 standard for outdoor PSU
- LED indicator for PSU status

### Reliability

Field proven under harsh environment conditions, Agilis indoor power suppliers can withstand temperature ranging from -10°C to +50°C while Agilis outdoor power supplies can withstand temperature ranging from -40°C to +60°C with up to 100% humidity.

### Quality Assurance

All Agilis indoor and outdoor PSUs go through intensive active electrical stress screening with performance being monitored during screening. In addition, all outdoor PSU units undergo 100% waterproof test equivalent to IP65 to ensure normal operation in tropical, cold and harsh environments.

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## Technical Specifications

### DC Specifications

<b>Output Voltage</b>	48V DC typ
<b>Output Power</b>	120W (for APSVAC48-120-DM & APSVAC48-120) 350W (for APSVAC48-300-DM & APSVAC48-300) 400W (for APSVAC48-400-DM)
<b>AC mains input Voltage</b>	110 to 230VAC
<b>AC mains input Frequency</b>	47 to 63Hz
<b>AC mains input connector</b>	ITT KPT02E12-3P (for Outdoor) 3 core power cable open end (for Indoor)
<b>DC mains output connector</b>	Amphenol 62IN-12E-12-4S (for Outdoor) Binding Post (for Indoor)
<b>Protection</b>	Overcurrent / Overvoltage

### Environmental Specifications

<b>Operating Temperature</b>	-40°C to + 60°C (for Outdoor PSU) 0°C to + 50°C (for Indoor PSU)
<b>Relative Humidity</b>	Up to 100% (for Outdoor PSU)

### Mechanical Specifications

<b>Dimensions</b>	190L x 189W x 107H mm (for Outdoor PSU) 295L x 140W x 57H mm (for Indoor PSU)
<b>Weight</b>	3kg (for Outdoor PSU) 1.7kg (for Indoor PSU)
<b>Colour</b>	White Powder Coat (for Outdoor PSU) Grey (for Indoor PSU)

### Power Supply Selection Table

Frequency	Power	Indoor	Outdoor
C	10W	Not applicable	Not applicable
	20W to 25W	APSVAC48-300-DM	APSVAC48-300
	40W to 60W	APSVAC48-400-DM	APSVAC48-300
Ku	8W	Not Applicable	Not Applicable
	16W to 25W	APSVAC48-300-DM	APSVAC48-300
	40W	APSVAC48-400-DM	APSVAC48-300

Note: All specifications are subject to change without notice.  
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