

OPS Series

Remote Mounted Power Supply Units






The **OPS series** remote mounted, power supply units from Peak Communications are designed to be fully compatible with the Peak range of outdoor mounted products;

- **PBU & PBD series** Block Converters
- **TLTR series** Test Loop Translators
- **PLA series** Line Amplifiers
- **F1201R/ F1202R** Fixed Frequency Converters
- **P7001R/ P7002R** Synthesised Frequency Converters
- **RTR50** Beacon Receivers
- **PRG series** Reference Generators
- **RCU50R series** Redundancy Controllers
- **OSC series** Waveguide/ co-axial Switch Drivers
- LNB's from other vendors

These rugged weatherproof power supply units use high grade components to offer a reliable solution to providing a DC equipment supply from an AC mains outdoor power source.

Peak Features

-  Siamese connection for unit alarm/ tell back passing
-  Rugged IP66 weatherproof rating
-  All connector mating parts provided & cable assemblies available



OPS series – Typical Specification

Output

Voltage

| | |
|---------------|-----------------------------------|
| OPS12a | +12 VDC @ 200mA nom, fused 1A |
| OPS12b | +12 VDC @ 1600mA nom, fused 2A |
| OPS12c | +12 VDC @ 3000mA nom, fused 5A |
| OPS18a | +18 VDC @ 750mA nom, fused 1A |
| OPS18b | +18 VDC @ 1600mA nom, fused 2A |
| OPS24 | +24 VDC @ 3000mA nom, fused 3.15A |
| OPS27c | +27 VDC @ 2500mA nom, fused 3.15A |

Note; for other voltage and current requirements please contact the factory.

Connection multi-pin, circular weatherproof (mating parts supplied)

Product compatibility

| | |
|---------------|--|
| OPS12a | LNB's, LNA's |
| OPS12b | OSC series, with 12V, 1.5A switch drives |
| OPS12c | OSC series, with 12V, 3A switch drives RCU50R series, with 12V, 3A switch drives |
| OPS18a | PBU(A) series PBD(A) series TLTR series F1201R /02R PLA series PRG series |
| OPS18b | RTR50 TLTR(Ka) series PBU(A) series, with low temperature option PBD(A) series, with low temperature option TLTR series, with low temperature option PLA series, with low temperature option PRG series, with low temperature option |
| OPS24 | OSC series, with 24V, 3A switch drives RCU50R series, with 24V, 3A switch drives |
| OPS27c | PBU(B) series PBD(B) series PBU(Ka) series PBD(Ka) series TLTR(B) series P7001R /21R P7002R /22R |

Mechanical

| | |
|--------------|--|
| Width | 146mm (5.75") |
| Height | 223mm (8.78") plus, connections & mounting flanges |
| Depth | 59mm (2.32") |
| Construction | Die-cast Aluminium, IP66 rated |
| Weight | 1.4kgs (3lbs) approx |

Environmental

| | |
|----------------|----------------------------------|
| Operating temp | -25°C to +55°C (less solar gain) |
| Option 12; | -40°C to +55°C (less solar gain) |
| Humidity | 0-100% condensing |
| EMC | EN 55022, part B & EN 50082-1 |
| Safety | EN 60950 |

Input Supply

| | |
|------------|--|
| Voltage | 100-240VAC |
| Frequency | 50-60Hz |
| Fused | 1-5A (product and option dependent) |
| Connection | multi-pin, circular weatherproof (mating parts supplied) |

Control Interface

| | |
|------------|--|
| Alarms | Siamese for device alarm/ tell back passing |
| Connection | multi-pin, circular weatherproof (mating parts supplied) |

Options

- 2) Cable assembly for use between OPS and load unit
Note; standard 1m cable length, for non-standard requirements 'developed cable length' must be provided.
- 12) Low temperature operation to -40°C

