

450 DC POWER SUPPLY

UHF-DC16



Varis' Smart Com 450 DC Power Supply uses a DC-DC converter to achieve constant voltage output, regardless of AC (or battery) supply conditions. This keeps the Leaky Feeder line voltage constant during power swings or battery backup. Each Power Supply includes diagnostic LEDS and an ammeter to provide indication of unit status.



UHF-DC16

Product Specifications

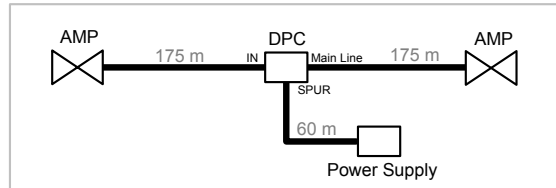
Part Number	UHF-DC16
Physical	
Enclosure	NEMA 4 (IP65), Polycarbonate
Dimensions (L x W x H)	415 x 300 x 180 mm (16.34 x 11.81 x 7.09 in)
Weight (nominal)	5.7 kg (12.5 lbs)
Connector	Terminal Block Connector, PG21 cable grip, N-type jack
Environmental	
Temperature Range	0 to 50° C (32 to 122° F)
Electrical	
AC Input Voltage	90-240 Vac, 45-65 Hz
Battery Input Voltage	12 VDC, 90 Ah
Output Voltage	16 VDC
Output Current	2.5 A
Backup Battery Operation	24 hrs
Battery Recharge	Trickle Charge
External Indicators	
AC power	OK (green), Fail (red)
Battery Status	OK (green), Low (red)
Current Limiting Mode	Cable Short (red)
Output Current	0 – 5 A Ammeter
Approvals	
Intrinsic Safety	No
CE Certification	Yes

Installation

Use the following guidelines to ensure proper installation of Smart Com 450 DC Power Supplies:

- To prevent personnel from accidentally unplugging the Power Supply it is recommended that the AC input be hardwired to a designated circuit breaker.

- Use Leaky Feeder cable to connect between the DC Power Supply and the 450 power coupler (UHF-DPC).
- The 450 power coupler introduces negligible line loss and therefore does not need to be considered during amplifier spacing.



- Place DC Power Supply no further than 60 m (197 ft) of cable away from the power coupler (UHF-DPC).
- Adding an external 12 VDC battery creates an 8 hour UPS. Ensure the battery is well vented and connect battery to the terminal block labeled "BATT".
- See Smart Com 450 manual for more information.