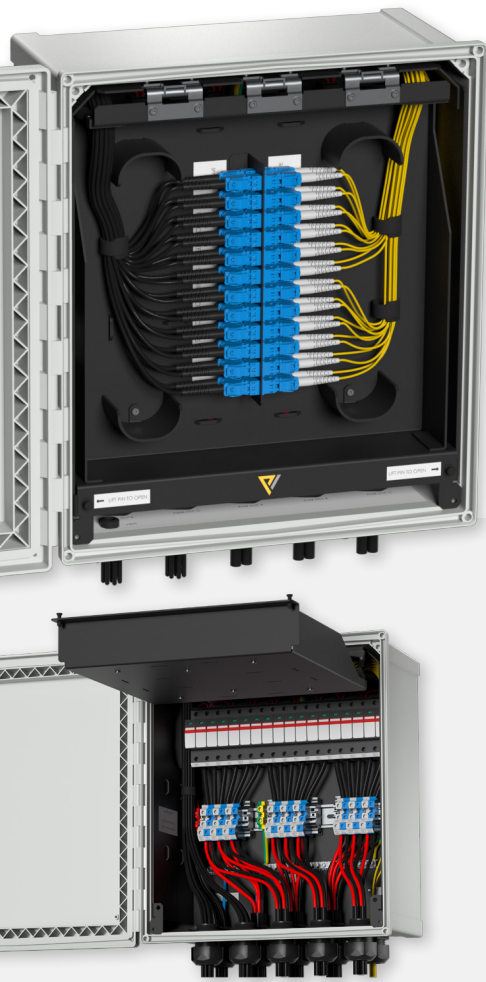




Tower Mount Overvoltage Protection Box



viaPhoton is constantly innovating to anticipate and meet all of your connectivity needs. The patented Overvoltage Protection Box is no exception. The engineered flip-tray mechanism offers dedicated fiber access, optical path testing becomes easier, and maintenance becomes faster. The spring-loaded clip ensures smooth fiber travel and saves time when routing cable. The universal brackets allow the enclosure to be mounted to any horizontal or vertical structure.

Our custom engineered OVP features

- Easy-access design for fast, on-site fiber and power installation
- Gland interfaces can be customized per application
- NEMA 4X rating for harsh environment protection
- IEC Class 1 Surge Protection Device (SPD) for DC-powered RRH applications
- Uptime preserved in rare instance of SPD failure; RRH units remain powered
- Optional remote SPD alarming with local fault indication to SPD plug
- Gland sizes for range of cable diameters (5 mm - 44 mm)
- See specifications for cable gland seal information

Rack Mount OVP Panel

viaPhoton supports your connectivity needs at the base of the tower with our Rack Mount OVP Panel. This high density solution supports both power distribution and surge protection from your rectifier plant to a range of trunk cables.

Surge protectors are easily accessible on the front panel of the unit providing for easy installation and replacement. Connectivity is provided on the rear of the panel via rapid-connect screw down terminals.

- Class 1 Surge Protection
- Compact 2RU rack height
- 19" panel can support up to 9 remote radio units
- 23" panel can support up to 12 remote radio units
- Temperature hardened for outside plant cabinet
- Optional alarm capability

See Spec Sheet for more details.



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Tower Mount Overvoltage Protection Box Specifications

**OHE-14****OHE-16****OHE-18**

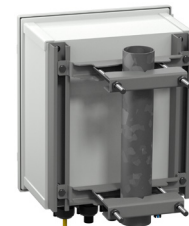
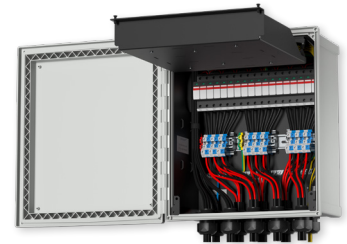
	OHE-14	OHE-16	OHE-18
Dimensions	16in H x 14in W x 9in D	18in H x 16in W x 10in D	20in H x 18in W x 12in D
No. of Radios Supported	3-9	6-12	6-12
Fibers	36 max (18 duplex)	48 max (24 duplex)	60 max (30 duplex)
DC conductors	18 max (6-14 AWG)	24 max (4-14 AWG)	24 max (4-14 AWG)
Surge Protection, Class 1	Up to 9 circuits	12 circuits	12 circuits
Surge Protection, Class 1	6 circuits	9 circuits	9 circuits
Surge Protection Alarming	optional	optional	optional
1+1 Redundancy	redundancy optional on all configurations		
Cable Gland Seal Information	custom configuration for cable diameters 5 mm to 44 mm		

STANDARD FEATURES

Fiber Type	multi mode or single mode
DC Termination	screw activated with metal plate clamping
Security	stainless steel latch with padlock clasp
Outdoor Temperature Range	-40°C to +55°C
Environmental, Sealing	NEMA 4X
Cable Entry	gland seal
Tower Mount	galvanized universal mount for horizontal or vertical pipe, 50 – 114 mm (2 - 4.5 in) OD

STANDARD FEATURES

Protection Class	Class I (IEC 61643 1)
Voltage Protection Rating	400 V (UL 1449)
Nominal Operating Voltage	48 VDC
Max Continuous Operating Voltage	75 VDC
Max Surge Current	60KA, 8/20 microseconds
Max Input Current	12.5KA 10/350 microseconds
Response Time	<1 nanosecond



vertical mount



horizontal mount



custom gland sealing



locking latch

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Rack Mount Overvoltage Protection (OVP) Panel Specifications



2U high x 23" Rack Mount Enclosure
Designed for outside plant cabinet
Plug-in surge protect modules



Ring lug terminal blocks
Supports 4/6/8
AWG

FEATURES

Dimensions	2RU H x 23 inch W x 12 inch D
Capacity	supports up to 12 remote radio units
Operating Temperature Range	-40°C to +65°C (OSP cabinet compatible)
Surge Protector Alarming	available option
Surge Protector Redundancy	available option
Surge Protector Access	convenient front panel mount and servicing
Connection Interface	easy access rear panel screw terminals

PERFORMANCE SPECIFICATIONS

Protection Class	Class I (IEC 61643 1)
Voltage Protection Rating	400 V (UL 1449)
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