



## Optional Rack Enclosure with UPS (Half Height Rack)

Provides rack mount storage and 5 kVA UPS for 2.4XLC indoor equipment

The optional Rack Enclosure with UPS is included with some versions of the 2.4XLC EOS-DB reception bundle. The rack provides mounting and secure space for all the indoor equipment in the bundle, and also provides space and power for an additional customer provided high level data products server and mass historical storage. In addition the option also includes a UPS (Uninterruptible Power Supply) to power all the indoor equipment and the antenna itself.

### Half Height Rack Features

The option consists of an HP half height rack cabinet with side panels and lockable front and back doors, a 17" LCD monitor, a pull out keyboard with touchpad, a KVM switch for up to 4 servers, and 5 kVA UPS. The rack option comes with the standard 2.4XLC bundle components already mounted, including the demodulators, the antenna system fiber media converter and the EOS-FES server. The rack has a 3000 lb capacity rating and is well ventilated with perforated mesh doors to allow for better airflow. Wheels permit the cabinet to be rolled in and out of place as necessary for easy access or maintenance. The rack provides 22U of vertical space with up to 7U of space for optional high level data products servers and mass storage.

### Half Height Rack Hardware

- The rack includes the keyboard, monitor, KVM and 5 kVA UPS
- The monitor is an HP anti-glare, 17 in (43.2cm) LED backlit LCD ProDisplay monitor, programmable with language selection and on screen controls
- Pull out keyboard has a full size 101-key keyboard with an integrated two button touchpad
- A four channel KVM server switch allows multiple servers to share the same keyboard and monitor and is provided with the EOS-FES connected to the first channel. Illuminated front panel buttons indicate selected server connection and status
- A 5 kVA UPS 5U rack mount Uninterruptible Power Supply adds protection for electronic equipment from utility power outages, sags and surges and short power outages. The UPS monitors for small utility line fluctuations or outages and immediately isolates the electronic equipment by disconnecting utility power and continuing with battery power. The UPS provides continuous power from the internal battery until power returns to safe levels for a minimum of one hour. The UPS runs on single phase 208-240 VAC, 50/60 Hz
- Additional space to add optional high level data products processing server and/or historical data mass storage array with room for up to 200TB
- The rack is shipped to the installation site in a shock mount pallet with ramps for easy unloading off the pallet
- Rack option components and the indoor components of the 2.4XLC bundle are racked, wired and tested as a complete system prior to shipping to the customer location



### Applications

- Optional rack enclosure holds indoor components of the 2.4XLC EOS-DB reception bundle while adding UPS power and physical security for the indoor equipment



Total Cabinet Area .....	110.84 x 112.52 x 59.78 cm (43.64 x 44.30 x 23.54 in)
Weight .....	92 kg (203 lb)
Static Load .....	1361 kg (3000 lb)
Dynamic Load (Rolling) .....	1134 kg (2500 lb)
Rack Height.....	22U
Rack Depth .....	1075mm
Rack Width .....	600mm
Door Features.....	Black mesh door with flush locking handle
Frame.....	Welded Black Frame with Wheels
LED Backlit LCD Monitor.....	43.18cm (17 in)
Monitor Viewing Angle .....	170° horizontal; 160° vertical
Aspect Ratio.....	5:4
Native Resolution.....	1280 x 1024
Dimensions with stand.....	37.72 x 20.63 x 38.72cm (14.85 x 8.12 x 15.24 in)
Weight.....	3.72 kg (8.2 lb)
Tilt .....	-5° to +25°
Input power Voltage.....	100 to 240 VAC
Power consumption .....	20 W (max), 15.2 W (typ), 0.5 W (standby)
Retractable Keyboard.....	Full size 101-key 1U rackmount
Dimensions.....	44.2 x 40 x 4.4 cm (17.4 x 15.75 x 1.75 in)
Weight.....	5.9 kg (13.01 lb)
KVM Console Switch.....	1 x 4 USB/PS2 interface support
Max Supported Servers.....	4
Cable Supported .....	CAT5
Dimensions.....	33.03 x 10.02 x 4.36 cm (13 x 3.95 x 1.72 in)
Weight.....	3.09 kg (6.8 lb)
5 kVA UPS.....	5U rackmount
Operating Environment .....	0-45 ° C (32-113 ° F)
Output Configurable Power (max).....	4.0 kW / 5.0 kVA
Nominal Output and Input Voltage .....	208V
Battery Type .....	Sealed lead-acid with suspended electrolyte / leak-proof
Typical Recharge Time.....	3 Hour (s)
Control Panel on UPS.....	LED status with load and battery bar-graphs and on-line
Control Panel on Battery.....	Replace battery and overload indicators
Audible Alarm .....	When on battery / distinctive low battery alarm / configurable delays
Surge Energy Rating.....	480 Joules
Filtering.....	Full time multi-pole noise filtering
Dimensions.....	22.2 x 48.3 x 66.0 cm (8.75 x 19.0 x 26.0 in)
Weight.....	97.73 kg (215 lb)