

4HR-UPS™ Range

Product Overview

The Elmdene 4HR UPS™ Range has been designed as a cost effective solution for providing extended standby power to critical security applications such as PoE IP CCTV.

The range is available in three different power variants: 8CAM, 16CAM, 32CAM

When used with the recommended standby batteries the devices will provide approximately 4 hours standby time for the camera system in the event of a mains failure.

All models are housed within a standard 4U 19" rack enclosure and providing a true sine wave 220Vac output for the powered devices. Front panel LED status indication allows quick system diagnosis on the front panel. Volt-free fault outputs are available on the rear panel for remote signalling if required.

This range offers the installer a simple 'plug and play' UPS installation, utilising industry standard batteries and enclosures.

Features

- 8, 16, 32 camera versions available
- Pure Sine Wave 220Vac output
- LED indication (mains present, output health, standby mode operation)
- Mains Loss - Volt-free fault output
- Temperature compensated battery charging
- Mains input 264V ac
- Single IEC 220Vac outlet socket
- Single IEC mains input (2m power cord provided)
- Can accommodate 2 x 12V 18Ah batteries (8CAM version)
- Floor standing battery enclosure with 3m battery lead for either 2 x 12V 38Ah (16CAM) or 2 x 12V 65Ah (32CAM)
- Option to increase standby time further by fitting 2 extra 12V 18Ah batteries (16CAM and 32CAM)



Approvals

CE Mark

Product Dimensions and Weight

19" Rackmountable 4U

H x W x D: 170 x 490 x 440 (mm)

Weight: 11kgs (excluding batteries)

Floor Standing Battery Box

H x W x D: 534 x 465 x 268 (mm)

CCTV System Power Requirements

Typical Camera System	Power Budget	Approximate Back Up Time*	Batteries Required	Model Reference	Maximum Power**
Up to 4 Cameras + NVR	40W (VA)	8 Hours	2 x 12V 18Ah SLA	4HR-UPS-8CAM	100W (VA)
Up to 8 Cameras + NVR	70W (VA)	4 Hours			
Up to 16 Cameras + NVR	145W (VA)				
Up to 32 Cameras + NVR	220W (VA)		2 x 12V 65Ah SLA	4HR-UPS-32CAM	220W (VA)

*Load calculations based on 6W cameras and 20W NVR+HDD

** Maximum load stated is based on a unity power factor (1). To determine power factor contact the equipment manufacturer OR test system load to determine the actual VA using a power meter, alternatively you must de-rate the UPS Max load by 50%

