



AMS-240x Range

27.6V DC Switch Mode PSU Range 1A and to 5A Boxed Range

Part Number	Description
AMS-2401	27.6V dc 1A + battery charging (2 x 7Ah max)
AMS-2402	27.6V dc 2A + battery charging (2 x 7Ah max)
AMS-2403	27.6V dc 3A + battery charging (2 x 7Ah max)
AMS-2405	27.6V dc 5A + battery charging (2 x 7Ah max)

Overview:

A range of switch mode power supply units providing 27.6V dc for applications that require battery charging capabilities. They feature a regulated 27.6V dc SMPSU module, continuously supplying full rated current to load + additional current to charge 2 x 12V batteries, while their universal mains input voltage enables the power supply to be used across a wide geographical area. The highly efficient switch mode design generates less heat and ensures low operating costs.

Input	
Voltage (rated)	100-240V ac
Voltage (Operating)	90-264V ac
Frequency	50-60Hz
Mains Input Current (Max)	1A, 1.3A, 1.4A, 2A (@ 90V ac)
Mains Input Fuse	1A/2A: T2.0A HRC 3A/5A: T3.15A HRC

Output	
Voltage	27.0 – 28.0Vdc (27.6vdc nominal) on mains power
Maximum Load Current	1A, 2A, 3A & 5A
Battery Charge Current	0.5A (all models)
Ripple	100mV pk-pk (max)
Module Output Fuse	F1.0A, F2.0A, F3.0A & F5.0A

Local Indicators	
Mains LED (Green)	Mains Present
Fault LED (Yellow)	Fault present: Output fuse fail or battery fuse fail (requires load and battery to be connected), loss of mains, output short circuit or low output voltage

Mechanical	
Dimensions (mm)	275H x 330W x 80D
Weight (approx.)	3.7Kg
Material	1.2mm Powder Coated Mild Steel
Max Battery Size (not supplied)	2 x 12V 7Ah
Colour	White

Environmental	
Environmental Rating	Indoor use only
Operating Temperature	-10°C to +40°C 95% RH Non Condensing
Storage Temperature	-20°C to +80°C

Compliance	
CE Approved	Yes
RoHS Compliant	Yes
Warranty	1 Year