

Datasheet: **G240xBM-C Range**

27.6V DC Switch Mode PSU Range (with Fault Monitoring)

Part Number	Description
G2401BM-C	27.6V dc 1A + battery charging
G2402BM-C	27.6V dc 2A + battery charging
G2403BM-C	27.6V dc 3A + battery charging
G2405BM-C	27.6V dc 5A + battery charging

Overview:

A range of switch mode power supply units providing 27.6V dc for applications that require battery charging capabilities with additional fault monitoring. They feature a regulated 27.6V dc SMPSU module, continuously supplying full rated current to load + additional current to charge a set of 12V 7Ah 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
Max Input Current	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 - 28V dc (27.6V dc nominal)
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 & Signalling Outputs	
Mains LED (Green)	Mains Present
Fault LED (Yellow)	Output or Battery Fuse Failure (requires load connected) & Short Circuit and Low O/P Voltage
GEN Fault (general)	Open when battery disconnected, O/P fuse fail, battery fuse fail, O/P short circuit or low O/P voltage
EPS Fault (mains)	Open when loss of mains for > 8s

Mechanical	
Dimensions (mm)	275H x 330W x 80D
Weight	(1A) 3.16Kg, (2A) 3.22Kg, (3A/5A) 3.3Kg
Material	1.2mm Powder Coated Mild Steel
Batteries (not supplied)	2 x 12V 7Ah (PSU provides Deep Discharge Protection)
Colour	White

Environmental	
Environmental Rating	Indoor use only
Operating Temperature	-10°C to +40°C 95% RH Non Condensing
Storage Temperature	-20°C to +50°C

Compliance	
CE Approved	Yes
RoHS Compliant	Yes

