

## Datasheet: *PSG120xG-y* Range

### 13.8V DC Switch Mode PSU Range (Standard Range)

Part Number	Description
<i>PSG1201GM-A</i>	13.8V dc 1A + battery charging
<i>PSG1202G-A</i>	13.8V dc 2A + battery charging
<i>PSG1203G-A</i>	13.8V dc 3A + battery charging
<i>PSG1203G-B</i>	13.8V dc 3A + battery charging
<i>PSG1204G-C</i>	13.8V dc 4A + battery charging
<i>PSG1205G-C</i>	13.8V dc 5A + battery charging

#### Overview:

A range of switch mode power supply units providing 13.8V dc for applications that require battery charging capabilities. They feature a regulated 13.8V dc SMPSU module, continuously supplying full rated current to load + additional current to charge a 12V battery, 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)	0.8A (1A Ver), 1A (2A Ver), 1.2A (3A Ver), 1.8A (4A Ver), & 2A (5A Ver)
Mains Input Fuse	1A, 2A, 3A: T2.0A HRC 4A, 5A: T3.15A HRC

Output	
Voltage	13.4 – 14.2V dc (13.8V dc nominal)
Maximum Load Current	1A, 2A, 3A, 4A & 5A
Battery Charge Current	0.5A (all models)
Ripple	150mV pk-pk (max)
Module Output Fuse	F1.0A, F2.0A, F3.0A, F4.0A & F5.0A

Local Indicators	
Mains LED (Green)	Mains Present
Fault LED (Red)* *Dependent on model	Output or Battery Fuse Failure (requires load and battery to be connected)

Mechanical	
Dimensions (mm)	(-A) 200H x 230W x 80D (-B) 330H x 355W x 80D (-C) 275H x 330W x 80D
Weight (approx.)	(-A) 2Kg, (-B) 4Kg, (-C) 3.7Kg
Material	1.2mm Powder Coated Mild Steel
Max Battery Size (not supplied)	(-A) 12V 7Ah, (-B) 12V 17Ah, (-C) 12V 17Ah
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

