



PSA, PSM AND VC SERIES

Rugged construction and superior performance power supplies



PSA SERIES

Regulated DC power supply

The PSA series of power supplies feature rugged steel construction, superior performance and unparalleled reliability with less than 20 mV ripple at the continuous rating. This makes them ideal for all RF and computer applications.

Features

- > **Over Voltage Protection (OVP)**
In the event of a failure within the power supply causing the output voltage to increase, the OVP circuit will cause the internal fuse to blow, preventing damage to any equipment attached to the power supply.
- > **Current Limiting Circuit**
If the peak current rating is exceeded due to a short circuit or excessive load across the output terminals, the output current will be limited to a safe level, preventing damage to the power supply.
- > **Thermal Fuse Protection**
The high efficiency double insulated power transformer contains a built-in thermal fuse to protect the power supply against over heating or burnout.
- > **Additional 9 volt 500 mA output**
- > **Rugged Construction**
Vented wrap-around steel cover, high efficiency heat sinks, heavy duty construction and PC board mounted regulator circuitry.

VC SERIES

Voltage converters

An innovative concept in voltage converters, with in-built protection for equipment and vehicle electronics.

Features

- > **24 - 13.2 volt switch-mode operation.**
- > **High Performance, high reliability.**
- > **Soft shutdown fault protection.**
- > **Quick and easy super-safe installation process.**

PSM SERIES

Switch mode power supply

The PSM Series eliminates the need for a heavy transformer making them a highly efficient and cost effective alternative. Fully suppressed and meeting relevant local safety and EMC requirements ensures interference free operation with radio equipment.

Features

- > **Suitable for most communication equipment applications or where stable regulated DC voltage is required.**
- > **High efficiency switch mode technology for cooler operation and longer life.**
- > **Cooling via thermally controlled in-built fan.**
- > **Compact, lightweight aluminium heat sink.**

PSA SERIES						
MODEL	TOTAL PEAK CURRENT (Amps) 10% duty cycle	TOTAL CONTINUOUS CURRENT (Amps)	MAX CONTINUOUS CURRENT @ 13.8 V (Amps)	MAX CONTINUOUS CURRENT @ 9 V	DIMENSIONS H X W X D (mm)	WEIGHT (Kgs)
PSA123	4	1.5	1.5	500 mA	76 x 102 x 185	1.7
PSA126	7	2	2	500 mA	85 x 120 x 190	2.65
PSA1210	11	5	5	500 mA	105 x 160 x 212	4.05

PSM SERIES				
MODEL	TOTAL PEAK CURRENT (Amps) 10% duty cycle	TOTAL CONTINUOUS CURRENT (Amps)	DIMENSIONS H X W X D (mm)	WEIGHT (Kgs)
PSM1215	15*	12*	69 x 173 x 124	1.3
PSM1225	25	20	73 x 173 x 190	1.9
PSM1235	35	30	74 x 173 x 234	2.2

VC SERIES			
FEATURES	VC4S	VC7S	VC10S
Type	Switch mode non-isolated	Switch mode non-isolated	Switch mode non-isolated
Input	15 - 38 V DC	15 - 38 V DC	15 - 38 V DC
Output	13.2 V DC	13.2 V DC	13.2 V DC
Constant current -100% duty cycle	3.8 A	6.8 A	10 A
Intermittent current (30% duty cycle)	7 A	11 A	14 A
Quiescent current	< 15 mA	< 15 mA	< 15 mA
Oscillator frequency	60 kHz	60 kHz	60 kHz
Transient voltage	Level 3 @ 2 kV	Level 3 @ 2 kV	Level 3 @ 2 kV
Protection	Overload reverse polarity short circuit soft-shutdown	Overload reverse polarity short circuit soft-shutdown	Overload reverse polarity short circuit soft-shutdown
Efficiency (approx.)	91%	90%	89%
Connection	4 x spade	4 x spade	4 x spade
Colour	Black/gold	Black/gold	Black/gold
Dimensions H x W x D (mm)	32 x 73 x 74	32 x 73 x 85	32 x 73 x 94
Weight	152g including fixings	198g including fixings	211g including fixings
Warranty	12 month warranty	12 month warranty	12 month warranty

* Includes 5 amps @ 12 volt max via lighter socket. Total continuous of both outputs combined not to exceed 12 amps.

Retailer:

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