

# DMS technologies

- A LEADING SUPPLIER OF DC POWER SYSTEMS AND BATTERY BASED ELECTRICAL PRODUCTS.
- MARKETS INCLUDE MILITARY, AVIATION, INDUSTRIAL & AUTOMOTIVE.

## DUVINE POWER SUPPLIES



# DUVINE

DESIGNING, MANUFACTURING AND DISTRIBUTING MILITARY &  
INDUSTRIAL CUSTOM POWER PRODUCTS SINCE 1986

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# DUVINE POWER SUPPLIES

Available in 100W and 220W models, these stand-alone power supplies are microprocessor controlled allowing bespoke firmware to customise alarm outputs and levels. Featured as standard, advanced battery monitoring includes temperature compensation, over discharge protection and automatic discharge testing, ensuring maximum battery life expectancy is achieved.

Used with or without batteries these units offer a stable and reliable power supply with an auxiliary output in a compact chassis with flexible mounting options.

## **BENEFITS**

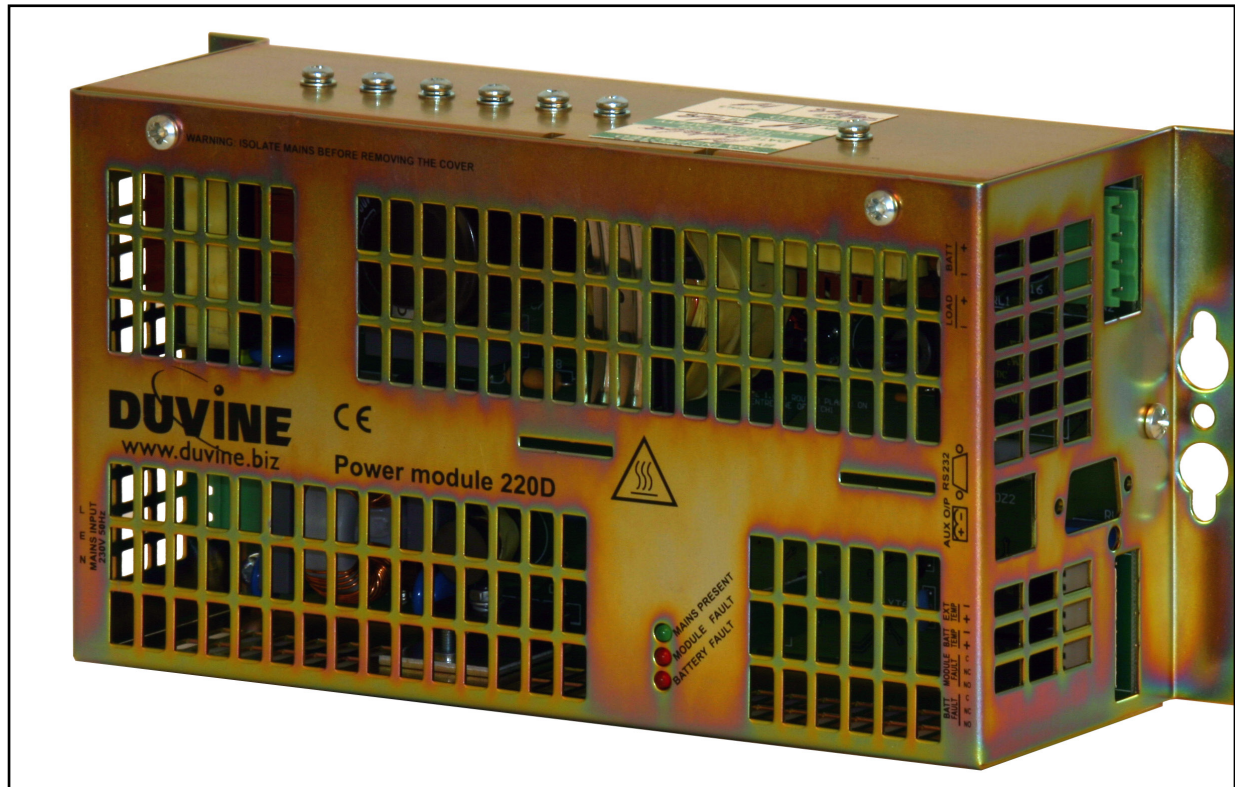
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- Wide Input Voltage
- DC Outputs Available from 12 to 60V
- Active Battery Monitoring including Temperature Compensation
- Microprocessor Controlled
- Convection Cooled with Conformal Coated PCB
- Programmable alarms
- Chassis, Panel & DIN Rail Mounting Options

## **APPLICATIONS**

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- Control Panels
- Telecommunications
- Wind Installations
- Industrial Installations



**DMS**technologies

With a strong engineering heritage, DMS technologies is your ideal partner for projects involving custom design & build of power solutions.

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# SPECIFICATIONS

		100D			220D		
DC Output Power		100W			220W		
Standard Output Voltage		12V	24V	48V	12V	24V	48V
Output Voltage Range		12-15V	24-30V	48-60V	12-15V	24-30V	48-60V
Current Limit		8.3A	4.2A	2.1A	17A	9A	4.6A
Efficiency (typical)		80%	85%	90%	80%	85%	90%
Auxiliary Output*	Voltage	5V		12V		15V	
	Current	6A		3A		2A	
Input Voltage		85 to 264VAC					
Input Frequency		47-63 Hz					
Input Current		1.5Amp max, sinusoidal 8 Amp Peak Inrush			3.1Amp max, sinusoidal 8 Amp Peak Inrush		
Power Factor		>0.99					
THD		<5%					
Line Regulation		<±0.1%					
Load Regulation		<±0.5%					
Output Ripple		<50mV peak to peak			<20mV peak to peak		
Dimensions (LxWxH)		173 x 97 x 71mm			222 x 108 x 70mm		
Mounting		Panel, Chassis or DIN Rail					
Weight		< 0.65kg			< 0.85kg		
Environmental Protection		IP20					
Cooling		Natural Convection					
Temperature		-15 to +60°C Operational -25 to +60°C Storage					
Relative Humidity		0 to 90% Non-Condensing					
Altitude		Up to 1500 metres					
Safety		EN60950					
EMC		EN50081-1 & EN50082-2					
Protection		Input Fuse (Internal) and Surge Protection Incorrect Battery Polarity & Voltage Protection Low Voltage Battery Disconnect Output Over Voltage & Short Circuit Protection Over Temperature Protection (Current Limiting)					
LED Indication	Mains Present:	Green LED					
	Module Fault:	Red LED & Volt Free Contact					
	Battery Fault:	Red LED & Volt Free Contact					

DMS technologies reserves the right to alter product specifications without prior notice

\*Please note that the single auxiliary output is available as an optional upgrade