

Metron2/S/SOL-SYS Fact sheet

6-24Vdc Powered Metron2

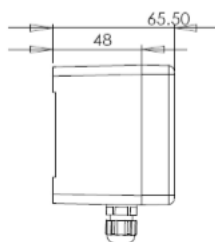
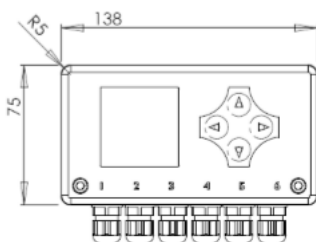


Parameter	Details	
Inputs	4 (4-20mA, 0-10Vdc sensors or volt free contacts)	
Communications	Integrated GSM (GPRS or SMS)	
Power supply	10 watt solar panel & lead acid battery via intelligent charge regulator	
Sensor excitation	Gives power to sensors (5V or 21.6V, 31mA max) for a programmable length of time.	
Environmental	IP67, -20 to +65 deg C.	
Current consumption	When asleep (screen off / modem off)	2mA
	When powering sensors	50mA typically
	When transmitting	50mA for 160 seconds typically
Programming	Remotely from MetronVIEW. Locally via USB (Windows software free of charge from Powelectrics. Mini USB not provided by Powelectrics).	
Solar capability	Depends on orientation, sight of sun and location (further from equator = less power from sun). In England 10 min transmissions possible, Scotland need to add 2nd solar cell to achieve this.	

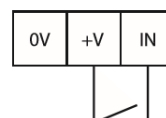
185.1 x 337.4mm

The intelligent solar regulator maximises battery life and solar charging potential and includes pre-charge conditioning if the battery is in poor condition. This it helps to bring a deep discharged battery back to life. There is also temperature compensation so the charge rate is adjusted according to the temperature of the battery which means the battery is always charged at the optimal rate, maximising the battery life.

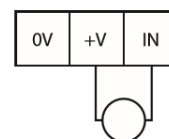
It is possible to monitor the battery voltage on input 4 of the Metron2 via a selector switch. There is a test pushbutton with LED for checking battery status and DC in.



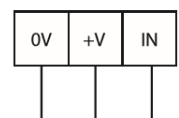
Volt free contacts



4-20mA 2 wire sensor that requires power



0-10 Volt DC 3 wire sensor



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Telemetry that makes sense