


PRODUCT DESCRIPTION

	<p>MICROCOM SCxxV10A</p> <p>SOLAR REGULATOR</p> <p>12Vdc 10 Amp Solar Regulator Imark Stock # 8048xx (See Below)</p>
	<p>Features:</p> <ul style="list-style-type: none"> • Series Regulator for Efficiency • Low Rdss MOSFET Switching • 10Amp rating on Input, Battery, & Load Terminals • Low Battery Load Release • Over Voltage Protection • Under Voltage Protection for the Battery • LED indication for Battery SOC, Charge, & Load status • Simple & Easy Installation • Timer Function allows load operation at set times • Easy Timer Programming

DESCRIPTION:

The **MICROCON SCxxV10A** series solar regulators are controlled by a PIC controller and utilise low Rdss MOSFET's for switching. The SCxxV10A is a series regulator that only regulates when the battery is fully charged, thus providing maximum efficiency while minimising heat generation. MOSFET switching is used to disconnect the load should the Load Voltage exceed 15.5Vdc, or if battery becomes discharged below 10.9Vdc. The load will be automatically reconnected when the load voltage falls below 15Vdc or when the battery recovers sufficiently.

The Timer function can be used to switch the load ON for set periods and is particularly useful when the system is being used to power lighting, or if the load equipment is required to only operate for a set period. LED's are used to indicate the battery State of Charge, Solar input, and if load is being drawn from the system.

- IDEAL FOR:**
- Remote Telemetry Sites
 - Remote Telecommunication sites
 - Remote Lighting
 - Remote Water Pumping
 - Transportable Traffic Signalling
 - Recreational Vehicle Charging systems
 - Marine Navigation Lighting
 - Marine Charging Systems

SPECIFICATIONS:		
Model	SC12V10AT	SC24V10AT
Imark Stock #	804842	804852
Input Voltage (nominal)	12 Volts dc	24 Volts dc
Input Current (maximum)	10 Amps	10 Amps
Load Current (maximum)	10 Amps	10 Amps
Low Voltage Battery Release	Yes	Yes
Load Timer Function	Yes	Yes
Available Timer periods	Infinity, Night only, 2, 4, 6, 8, 10, or 12 hours	
Unit Size & Weight	115(L) x 95(W) x 38(H) mm	
Shipping Size & Weight	120(L) x 100(W) x 43(H) mm	
Unit Weight	115 grams	
Shipping Weight	170 grams	