KestreL600

Shunt Regulator

The KestreL600 Shunt Regulator maintains a constant charging voltage at all times. An internal jumper programmes the output voltage.

A shunt regulator is dynamic in operation and absorbs all of the unwanted energy during charging. No switching between the battery and load resistor occurs and the unit will float a battery and supply the load at all times.

Wiring is simple, two wires in from the turbine and two wires

out to the battery.

The KestreL600 Shunt Regulator has been fully tested at an independent laboratory and complies with EMC requirements for use in telecommunication installations.

Note that the enclosure may vary from the image shown

Rated Power	600W	100% duty cycle
Cooling	-	Natural convection
Input Voltage	Varies	12V(0-70), 24V(0-140), 36V(0-200), 48V(0-280)
Input Current	Varies	12V-50A, 24V-25A, 36V-17A, 48V-12.5A
Efficiency	>95%	96% at 5A, 97% at 40A
Output Voltage	Constant	Shunt regulated <1% 14V, 28V, 42V, 56V user adjustable float
Output Current	Direct	12V-40A, 24V-20A, 36V-12.5A, 48V-10A (all via blocking diode)
Power Control	Shunt	Linear silent electronic shunt regulation
Indication	LED	Internal Run/Charge (Green)
Dynamic speed control	Electronic	Electronic continuous shunt loading
Protection	IP55	Indoor/Outdoor mounting steel enclosure
Physical	W/mount	Approx. W230 x H350 x D130mm, Mass 6kg

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