



# Kestrel600

## Dump Regulator

The Kestrel600 Dump Regulator disconnects from the battery at final voltage. An internal jumper programmes the output voltage.

A dump regulator transfers the turbine output from the battery to a resistor when the user terminal voltage is achieved. The regulator exhibits zero transfer switching time with no disturbance. In addition a user programmable timer facilitates a delay of 30s, 1min or 2min that eliminates on/off cycling.



Wiring is simple, two wires in from the turbine and two wires out to the battery

The Kestrel600 Dump Regulator complies with EMC requirements.

Note that the enclosure may vary from the image shown

Rated Power	600W	100% duty cycle
Cooling	-	Natural convection load dump
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	Direct	14V, 28V, 42V, 56V user adjustable set point
Output Current	Direct	12V-40A, 24V-20A, 36V-12.5A, 48V-10A (all via blocking diode)
Power Control	Dump	Silent electronic zero transfer time
Indication	LED	Internal Run/Charge (Green) and Dump (Amber)
Dynamic speed control		Continuous loading by battery or dump load
Protection	IP32	Indoor mounting steel enclosure
Physical	W/mount	Approx. W230 x H200 x D100mm, Mass 4kg