



Raum Energy Battery Charger Specification Sheet

Wind is a naturally occurring and abundant resource and is one of the cleanest ways to produce electricity. Minimal processing is required to convert wind into clean, free energy. Operation of our wind turbines produces no pollution, that means no emissions, excessive noise, or waste heat by-products. Wind can be harvested with minimal impact on the environment, a very important factor in meeting our increasing energy needs.



Key Benefits

- Converts power from very high input voltages
- Purpose built for small wind but with PV solar option
- Switch-mode converter does not require external dump load
- Built-in DHCP for internet linkability in addition to a USB port
- Programmable control of external dry-contact switch or battery dump loading
- Field programmable float, absorb, and equilibrium set points
- Field selectable for wind or solar applications – only one of its kind!
- Active braking available for small wind turbine braking
- Built in overvoltage protection and rectification
- Two Year Warranty

Specification	Raum4000b	Raum2000b
Max PV/Turbine Voltage Source	600 Vdc/444Vrms L-L	600 Vdc/444Vrms L-L
PV/Turbine Operating Source Voltage	60...450Vdc/45...333Vrms L-L	60...450Vdc/45...333Vrms L-L
Max PV/Turbine Source Operating Current	20 Adc/15.6 Arms L-L	10 Adc/7.8 Arms L-L
Max PV/Turbine Source Short-Circuit Current	30 Adc/23.6 Arms L-L	15 Adc/11.7 Arms L-L
Max Continuous Output Power	3800 W	1800 W
Max Continuous Output Current	145 Adc	75 Adc
Max Output Fault Current	210 Adc	150 Adc
Nominal Output (Battery) Voltages	24Vdc/48Vdc	24Vdc/48Vdc
Max Output (Battery) Voltages	70Vdc	70Vdc
Max Dump Load Voltage	70Vdc/120Vac	70Vdc/120Vac
Max Dump Load Current	12.5Aac	12.5Aac
Ambient Operating Temperature	-40C to +40C	-40C to +40C
Enclosure	NEMA Class 4: Watertight/IP65	same
Size	52cm x 30.6cm x 15.9cm (20.5" x 12" x 6.25")	same
Mass	20.4 kg (45 lb)	11.5 kg (25 lb)

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