

WIND Charge Controller ENAIR-PRO 120A – 24/48V

Features

- Advanced wind charger and DC diversion charge control
- Rated for 24,48 voltage systems and 120 amp current
- Witch bulk charging, absorption, float and equalization stages in order to maximize system performance and increase battery life
- LCD meter with easy to read messages
- DIP switch to set up the wind charger for its intended use
- All major functions can be set with DIP switches LED indications and pushbutton functions



MODEL	RCE-ENAIR-120
Electrical	
System Voltage Ratings	24/48V
Current Ratings – Battery Charge Control	120 A
Current Ratings – Diversion Charge Control	120 A (Diversion Load)
Accuracy	24 V : $\leq 0.1\% \pm 50\text{mV}$ 48 V : $\leq 0.1\% \pm 100\text{mV}$
Min. DC Voltage to Operate	9 VDC
Max. Operating DC Voltage	68 VDC
Max. 3-phase AC Input Voltage	100 VAC
Total Current Consumption at idle	6mA
Total Current Consumption while operating	50mA
High temp Shutdown	90°C disconnect load / diversion load 70°C reconnect load / diversion load
Pulse Power Rating	7000W
Response	< 5 nanosecond
Protected against reverse polarization	Yes
Protected against under-loading	Yes
Protected against overloads	Yes
Protected against short circuits from the wind turbine	Yes
Reverse-current protection	Yes
Protected against overvoltage of wind turbine and batteries	Yes
Battery Charging / BTS	
Charge Algorithm	MPPT by power curve and modulation of frequency
Temp. Comp. Coefficient	-5mV / °C / cell (25°C ref)
Temp. Comp. Range	0°C to 50°C
Charge Algorithm	Four stages: bulk, absorption, float and equalize
Mechanical	
Protection Class (CEI 60529)	IP22
Dimension (H* W* D) mm	345* 248* 170
Weight (kgs)	8.4
Power Terminals	120A Rated
Environmental	
Ambient Temperature	-40 to + 45°C
Storage Temperature	-55 to + 85°C
Humidity	100% (NC)
Design	Ventilated cover (steel with powder coating)

* Subject to change without notice