

ELECTRO.AERO™



**RAPID Series of High Voltage
Electric Aircraft Chargers**



TECHNICAL SPECIFICATIONS		CR030-01KV	CR060-01KV
DC Output Characteristics	Maximum Power (kW)	30	60
	Maximum Current (A)	100	200
	Nominal Current (A)	30	60
	Output Range (V)	Full Power: 300-1,000 Current Limited: 150-300	
	Overvoltage Protection (V)	1,010 ±5	
	Undervoltage Alarm (V)	190 ±2	
	Auxiliary Power Voltage (V)	28	
	Auxiliary Maximum Current (A)	5	
AC Input Characteristics	Phases	3	
	Voltage (V)	Full Power: 304-485 Current Limited: 260-304	
	Maximum Current (A)	50	2x 50
	Frequency (Hz)	45-65	
	Rated Efficiency (%)	95	
	Power Factor	0.99	
	Total Harmonic Distortion (%)	5	
	Power Derate (V)	304±5 ~ 260±5, output linear derate to 50%	
Environmental Parameters	Working Temperature	-30 ~ +65 (°C) / -22 ~ +149 (°F)	
	Storage Temperature	-40 ~ +85 (°C) / -40 ~ +185 (°F)	
	Maximum Relative Humidity (%)	95	
	Over Temperature Protection (Auto Shutdown)	>70±4 or < -40±4 (°C) / >158±7 or < -40±7 (°F)	
Physical Parameters	Dimensions (H x W x D)	960 x 545 x 380 (mm) / 38 x 21 x 15 (in)	
	Weight	65 kg / 143 lbs	80 kg / 176 lbs
	IP Rating	IP54	
	Noise (dB)	55 – 75 (from 30 to 60 °C internal temperature)	
Cable Standards	DC Charging Plugs	1x GB/T 20234.3-2015	
	DC Charging Cable Length	3.5 m / 11.5 ft	
	Communication Protocol	GB/T 27930-2011, NB/T 33003-2010	
	Charger Standard	NB/T 33001-2010, NB/T 33008.1-2013	
	AC Cable Length	5 m / 16.4 ft	
	AC Plug	Single / Dual California Style CS8165C, 50 A Plugs	

The Electro.Aero RAPID series of high voltage Chargers are compact and portable, developed specifically for electric light aviation. Setting the benchmark for the new SAE International AS6968 standard for electric aircraft charging, the RAPID Chargers can deliver full power of either 30 or 60 kW over a wide DC output voltage, from 300 V to 1 kV. The 30 and 60 kW models are current-limited to 100 and 200 A respective for lower voltage systems down to 150 V, linearly derating to 50% power. For maximum international compatibility, the RAPID Chargers are designed to run off 50 A California-style twist plugs without neutral wires and they have a wide full-power input range from 304-485 V.



CONTACT

Visit www.electro.aero/chargers for more information
by scanning the QR code below:



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