



ESP Emergency Standby Power

Because you can't predict the future...

Lithium-Polymer Emergency Battery Power
TSO-C179 and DO160F Certified / Two-Year Warranty

The **ESP** - Emergency Standby Power, is a Battery-based Power Unit (BPU) designed to give you at least an hour of auxiliary power when you need it the most. Paired with the new **RCA 2600 Digital Horizon**, the **ESP** can provide up to 6 hours of backup power. The **ESP** can be easily mounted behind the instrument panel and can power your new R.C. Allen instrument, or retrofit your existing electric indicator in an emergency.

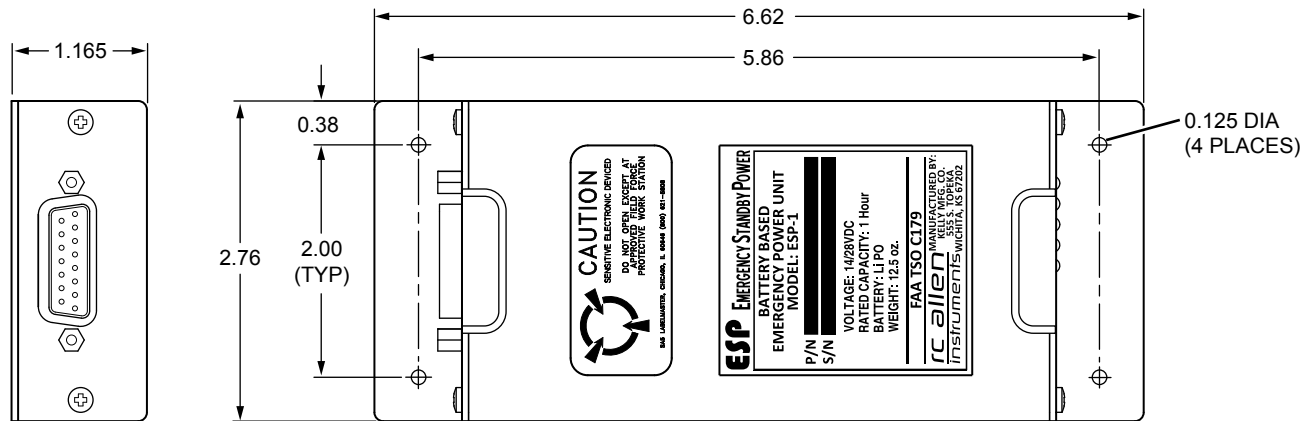
The **ESP** comes complete with a wire harness and panel-mounted status light. Maintenance is easy, it recharges itself during flight and does not drain the aircraft battery when aircraft power is off. The **ESP** utilizes a long lasting lithium polymer battery - the same kind found in most laptop computers.

- EASY TO INSTALL
- ONE HOUR OF EMERGENCY POWER
- PANEL MOUNTED STATUS LIGHT
- RETROFIT EXISTING INSTRUMENTS
- COMPACT DESIGN
- MEETS DO-160 STANDARD

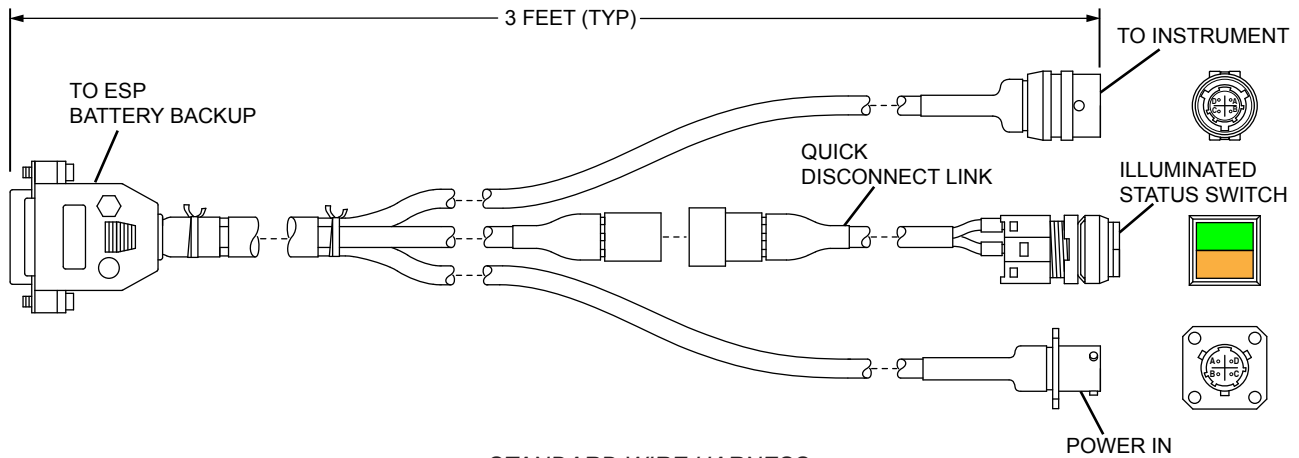
<u>BATTERY POWER UNIT</u>	Voltage In	14 or 28VDC
	Voltage Out	4 or 28VDC
	Circuit Breaker Size	28 Volt load 2 AMP
		14 Volt load 3 AMP
	Weight.....	12.5 ounces
	Dimensions	See Figure 1
	Operating Temperature Range	-30° to +50° C
	Location	Inside cabin bulkhead
<u>BATTERY</u>	Nominal Voltage	14/28VDC
	Battery Type	7.4VDC, 2300 mAh Li-PO Lithium Polymer
<u>ILLUMINATED STATUS SWITCH</u>	Light Source	2 LED lights
	Dimensions.....	0.70 x 0.70 inches
	Location.....	Panel mounted
	Panel Hole.....	5/8 inch diameter
<u>PERFORMANCE</u>	Rated Capacity	Mechanical Instrument..... 60 Minutes
	Electronic Instrument	6+ Hours
	Maintenance	Replace battery every 3 years
<u>QUALIFICATIONS</u>	Minimum Performance Standard	FAA TSO-C179
	Environmental Qualification	DO-160F
	Env. Cat. [D1X]CAA[SM]XXXXXXZ[BRX]AZZC[WW]L[A3C3X]XXAX	

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ESP DIMENSIONS



STANDARD WIRE HARNESS

NOTE: The harness is designed to be specific to the instrument used, and aircraft voltage. The correct harness should be selected at time of order. Using the wrong harness will result in voiding the warranty. See chart below for proper harness.

HARNESS P/N	SYSTEM VOLTAGE	USE ON	PIN OUT
702-0028-01	28VDC	RCA26BK-2, -3, -6, -7, -8 -9, -10, -11, -12, -14, -15, -16, -20, -22, -26, -28, -29, -30, -32, -34, -35, -36, -37 RCA26EK-1, -2, -3, -4, -5, -6, -7, -8, -9, -11, -12, -13, -14	A = GND B = GND (lights) C = POS D = POS (lights)
702-0028-02	28VDC	RCA26EK-10 RCA2600-2, -3	A = GND B = POS C = GND (lights) D = POS (lights)
702-0014-01	14VDC	RCA26AK-1, -3, -4, -6, -7, -8 RCA 26EK-10 RCA2600-2, -3	A = GND B = POS C = GND (lights) D = POS (lights)
702-0014-02	14VDC	RCA26AK-2, -5 RCA26EK-1, -2, -3, -4, -5, -6, -7, -8, -9, -11, -12, -13, -14	A = GND B = GND (lights) C = POS D = POS (lights)

HARNESS COMPATIBILITY