

DO YOU HAVE... **ESP?**™

Emergency Standby Power

Because you can't predict the future...



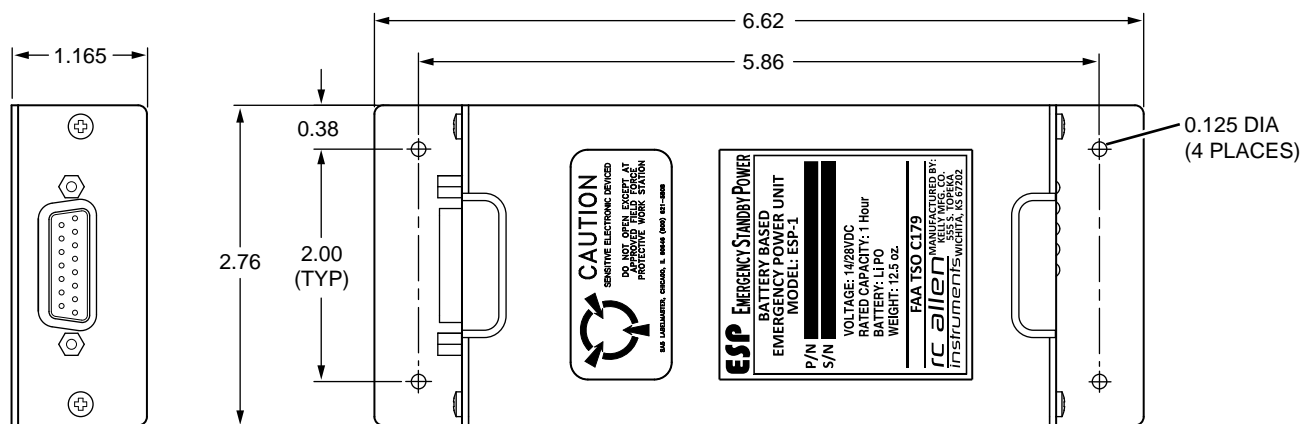
The **ESP** - Emergency Standby Power, is a battery-based emergency power unit designed to give you at least an hour of auxiliary power when you need it the most. Paired with the new **RCA 2600 Digital Horizon**, the **ESP** can provide up to 6 hours of backup power. The **ESP** can be easily mounted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

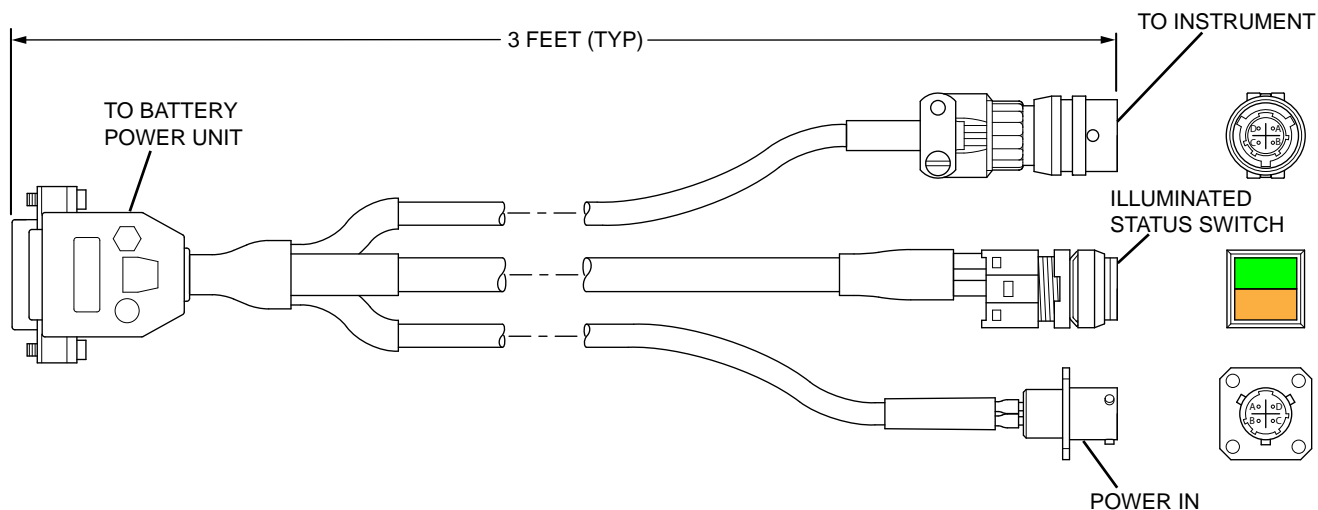
- **EASY TO INSTALL**
- **ONE HOUR OF EMERGENCY POWER**
- **PANEL MOUNTED STATUS LIGHT**
- **RETROFIT EXISTING INSTRUMENTS**
- **COMPACT DESIGN**
- **MEETS DO-160 STANDARD**

BATTERY POWER UNIT	Voltage In.....	14 or 28VDC
	Voltage Out.....	14 or 28VDC
	Circuit Breaker Size.....	28 Volt load 2 AMP 14 Volt load 3 AMP
	Weight	12.5 ounces
	Dimensions.....	See Figure 1.1
	Operating Temperature Range	-30° to +50° C
	Location	Inside cabin bulkhead
BATTERY	Nominal Voltage	14/28VDC
	Battery Type	7.4VDC, 2300 mAh Li-PO Lithium Polymer
ILLUMINATED STATUS SWITCH	Light Source	2 LED lights
	Dimensions.....	0.70 x 0.70 inches
	Location.....	Panel mounted
	Panel Hole.....	5/8 inch diameter
PERFORMANCE	Rated Capacity	Mechanical Instrument..... 60 Minutes Electronic Instrument 6+ Hours
	Maintenance	Replace battery every 3 years
QUALIFICATIONS	Minimum Performance Standard.....	FAA TSO-C179
	Environmental Qualification.....	DO-160F
	Env. Cat. [D1X]CAA[SM]XXXXXXZ[BRX]AZZC[WW]L[A3C3X]XXAX	

ESP BATTERY BACKUP DIMENSIONS



ESP DIMENSIONS



STANDARD WIRE 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