



EPACO® SYSTEM TRANSFORMERS AND BATTERIES

DESCRIPTION

The transformer and batteries compliment the EPACO power supply.

The transformer converts the high voltage AC to the 24V AC required for the PSU operation, and is available in two models:

- P/N 02-10644 Transformer 120/240 VAC 50/60 Hz
- P/N 02-10879 Transformer 100/250 VAC

The batteries provide the supervised 24 VDC back-up power for the PSU. Two 12 VDC batteries are required for each PSU. Batteries are available in capacities as follows:

- E10-0082-1 (2) 12 VDC, 7.2AH Batteries with 1m (3 ft) wiring harness
- E10-0082-2 (2) 12 VDC, 12AH Batteries with 1m (3 ft) wiring harness
- E10-0082-3 (2) 12 VDC, 18AH Batteries with 1m (3 ft) wiring harness
- E10-0083-1 (2) 12 VDC, 33AH Batteries
- E10-0083-3 (2) 12 VDC, 44AH Batteries
- E10-0083-2 (2) 12 VDC, 75AH Batteries

STANDARD FEATURES/SPECIFICATIONS

Transformer:

- 250 VA, 50/60 Hz
- 100/120/240 VAC Primary
- 12 VDC voltage
- 25 VAC Secondary
- DIN rail mount
- Finger Safe Covers Provided
- Size: 100mmL x 140mmH x 90mmD (3.8"L x 5.3"H x 3.5"D)
- Weight: 3.9 kg (8.6 lbs.)

Batteries*:

- 7.2 AH Batteries
 - Termination: Spade Terminals
 - Size: 151mmL x 65mmH x 102mmD (5.94"L x 2.57"H x 4"D)
 - Weight: 2.7 kg (6 lbs.)
- 12 AH Batteries
 - Termination: Spade Terminals
 - Size: 151mmL x 98mmH x 102mmD (5.94"L x 3.86"H x 4"D)
 - Weight: 4.3 kg (9.4 lbs.)

- 18 AH Batteries
 - Termination: Nut and Bolt
 - Size: 183mmL x 76mmH x 168mmD (7.2"L x 3"H x 6.6"D)
 - Weight: 6.2 kg (13.6 lbs.)
- 33 AH Batteries
 - Termination: Nut and Bolt
 - Size: 198mmL x 132mmH x 188mmD (7.8"L x 5.2"H x 7.4"D)
 - Weight: 12.1 kg (26.7 lbs.)
- 44 AH Batteries
 - Termination: Nut and Bolt
 - Size: 198mmL x 175mmH x 165mmD (7.8"L x 6.9"H x 6.5"D)
 - Weight: 15.9 kg (35 lbs.)
- 75 AH Batteries
 - Termination: Nut and Bolt
 - Size: 262mmL x 175mmH x 226mmD (10.3"L x 6.9"H x 8.9"D)
 - Weight: 23.6 kg (52 lbs.)



Transformer



Battery

APPROVALS

- UL Listed as type 3AH
- CE marked (LVD tested and approved)
- CSA Certified

* Specifications are per each battery; two batteries required for each PSU.

TYPICAL BATTERY CAPACITY CALCULATIONS

EPC Controller E10-0066	PSU Power Supply E10-0067	AM Annunciator E10-0068	RC8 Relay Card E10-0069	Battery Requirement 24 hr w/ 15% derating*
1	0	0	1	13.7 Ahr
1	1	0	1	17.2 Ahr
1	1	1	1	25.5 Ahr
4	0	0	1	36.4 Ahr
4	1	0	1	40.0 Ahr
4	1	1	1	48.3 Ahr

* Factory Mutual recommends a 15% minimum derating factor for battery back-up systems

NON-RATED BATTERY ENCLOSURES

(For Nema rated enclosures, see data sheet X.1.07.01)

P/N	Color	Battery Size
10-2154-G	Grey	Up to 33 AH battery
10-2154-R	Red	
10-2236-G	Grey	Up to 75 AH batter
10-2236-R	Red	

