

# GROUND RENEWABLE EXPEDITIONARY ENERGY NETWORK SYSTEM (GREENS) USON

**TAMCN: A03757G**

**I.D: 12115A**

**NSN: 6117-01-598-1836**



## Functional Description

The Ground Renewable Expeditionary Energy Network System (GREENS) Universal Statement of Need (USON) consists of modular man transportable components that when assembled into a system, accepts energy from different sources, distributes the energy using an intelligent management system, and stores excess energy to provide an average continuous output of 300 watts (nominal) for 24 hours or 1,000 watts (peak).

## Technical Description

### Information

Manufacturer: UEC Electronics  
Model: 0754A10-001

### Temperatures

Operating: -4°F to +131°F  
Storage: -59°F to +160°F

### Dimensions

#### **ISPCA (QTY 4)**

Length (in): 65.25  
Width (in): 35.3  
Height (in): 9.5  
Weight (lbs): 160.0  
Square (ft<sup>2</sup>)/Cube (ft<sup>3</sup>): 16.0/12.7

#### **PDK**

Length (in): 24.6  
Width (in): 19.5  
Height (in): 13.8  
Weight (lbs): 40.0  
Square (ft<sup>2</sup>)/Cube (ft<sup>3</sup>): 3.3/3.8

#### **HELB (QTY 4)**

Length (in): 16.5  
Width (in): 14.0  
Height (in): 7.0  
Weight (lbs): 40.0  
Square (ft<sup>2</sup>)/Cube (ft<sup>3</sup>): 1.6/0.9

### Power

#### **Input**

Solar Panel: 4 ISPCA @ 1720 watts  
Vehicle: 14-28 VDC  
AC: 120 VAC @ 50/60Hz

#### **Output**

DC: Regulated DC 22-32 or 26 VDC

### Dimensions (cont'd)

#### **QP-1800**

Length (in): 19.5  
Width (in): 15.5  
Height (in): 9.0  
Weight (lbs): 38.0  
Square (ft<sup>2</sup>)/Cube (ft<sup>3</sup>): 2.1/1.6

#### **Harness Kit**

Length (in): 32.0  
Width (in): 21.0  
Height (in): 13.0  
Weight (lbs): 82.0  
Square (ft<sup>2</sup>)/Cube (ft<sup>3</sup>): 4.7/5.1

#### **QUADCON (Empty)**

Length (in): 96.0  
Width (in): 57.4  
Height (in): 82.0  
Weight (lbs): 1,800.0  
Square (ft<sup>2</sup>)/Cube (ft<sup>3</sup>): 38.3/261.5

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