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

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	
ISPCA (QTY 4)	
Length (in):	65.25
Width (in):	35.3
Height (in):	9.5
Weight (lbs):	160.0
Square (ft^2)/Cube (ft^3)	16.0/12.7
PDK	
Length (in):	24.6
Width (in):	19.5
Height (in):	13.8
Weight (lbs):	40.0
Square (ft^2)/Cube (ft^3):	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^2)/Cube (ft^3)	1.6/0.9

Dimensions (cont'd)	
QP-1800	
Length (in):	19.5
Width (in):	15.5
Height (in):	9.0
Weight (lbs):	38.0
Square (ft^2)/Cube (ft^3):	2.1/1.6
Harness Kit	
Length (in):	32.0
Width (in):	21.0
Height (in):	13.0
Weight (lbs):	82.0
Square (ft^2)/Cube (ft^3)	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^2)/Cube (ft^3):	38.3/261.5

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