SOLAR PORTABLE ALTERNATIVE COMMUNICATION ENERGY SYSTEM (SPACES)

TAMCN: A04242G **I.D: 12411A** **NSN: 5985-01-619-6212**

Functional Description

The Solar Portable Alternative Communication Energy System (SPACES) is a lightweight, portable, renewable energy system designed to provide power for platoon and squad size units operating in remote locations. The SPACES manages up to 400 watts of power generated from lightweight, durable solar panels and provides a regulated 24 VDC output to energize battery operated weapon systems. SPACES is fielded with an expanded assortment of components and enhanced charging profiles to increase the battery charging efficiencies. SPACES II can energize man packed and handheld tactical radios, laptop computers, charge multiple battery types, and convert 24 VDC to 115 VAC for limited AC power requirements.

Technical Description

Information		**Dimensions**	
Manufacturer:	Iris Technology	Length (in):	22.75
Model:	78535-103399	Width (in):	15.0
Power		Height (in):	8.0
Input		Weight (lbs):	26.0
DC Solar Panel:	2 x @ 12 VDC	Square (ft^2)/Cube (ft^3):	2.4/1.6
Vehicle DC:	9 to 33 VDC	**Temperatures**	
Output		Operating:	-4°F to +131°F
DC:	12-32 VDC	Storage:	-59°F to +160°F
AC:	115 VAC		

Replaced TAMCN: H00112G, Solar Portable Alternative Communication Energy System (SPACES).

Associated TAMCNs: A01297G, THHR AN/PRC-152 (V)1; A03367G, Radio Set AN/PRC-117G (V)2; A20447G, Radio Set (MARITIME) AN/PRC-148 (V)3 (C); A20687G, Radio Set (Falcon II) AN/PRC-117F (V)1C; A20797G, Radio Set AN/PRC119F.

Transportability: Treat as cargo.