**PURCHASE SPECIFICATIONS FOR A POWER BANK FOR PORTABLE PAPI**

MODEL: POWER BANK FOR PORTABLE PAPI

##### General Overview

Power Bank is designed to power S4GA portable LED A-PAPI system that consists of 2 x Light Head Assemblies (LHA).

**Description**

Power Bank shall consist of the following components:

* 1 x Inverter-charger,
* 1 x Air filter,
* 2 x batteries 12V / 110Ah (total capacity of 2640 Wh),
* 2 x Output sockets 110-230V 16A (military standard sockets),
* 1 x Input socket 110-230V 20A (military standard socket),
* 1 x Emergency Shut Down Switch,
* 1 x Ventilation panel.

Shall be equipped with Victron Multiplus C12/1600/17 Inverter-Charger.

Shall have Ingress Protection rating of minimum IP67.

Shall be able to operate in the temperature of -20° C to 50° C or better.

**PAPI Autonomy Provided by Power Bank**

Power bank shall provide up to 10 hours of LED A-PAPI (2-LHA system) autonomy.

Power Bank capacity shall not be less than 2640 Wh.

**Power Supply**

Input power supply shall be 110-230V 20A.

Output power supply shall be 2 x 110-230V 16A.

**Casing**

Power bank casing shall have the following features:

* Watertight, crushproof, and dustproof,
* Stainless steel hardware and padlock protectors,
* Automatic Pressure Equalization Valve,
* Open cell core with solid wall design,
* O-ring seal.