

Portable Solar Powered Vaccine Cooler (SPVC)

Introduction

SPVC is a cost-effective and fast response solar powered Vaccine cooler to maintain the temperature of the vaccine during its transportation and distribution using thermo-electric Peltier modules and using the state of the art instrumentation.

Features

- Faster response because of Peltier Module based design
- Fuzzy based Effective Temperature Controller with an accuracy of $\pm 0.1^{\circ}\text{C}$
- Three Source of Power – Solar + LiPO Battery + AC Mains powered
- TFT display with user friendly GUI

Applications

- Vaccine Distribution in the rural areas
- Vaccine Transportation with minor modifications in the storage
- Traveller Medicine Bag etc.

