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Product Name :

Solar Direct Drive Ref/Fre

Product Code :

SLE/CCE/03



Science Lab
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Description :

Solar Direct Drive Ref/Fre (Product Code: SLE/CCE/03) is a combined solar direct drive (SDD) vaccine refrigerator and water-pack freezer used by off-grid health facilities to store vaccines and freeze the water packs needed for outreach cold boxes and carriers. It holds 36 litres of vaccine, freezes 1.8 kg of water packs every 24 hours and stores up to 29 packs of 0.6 L. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Type	Complete stand-alone SDD combined refrigerator and freezer with all necessary components and fittings (plug and play)
Net vaccine storage volume	36 litres
Water-pack freezing capacity	1.8 kg per 24 hours
Water-pack storage capacity	15.5 kg (29 x 0.6 L)
Freeze protection	Grade A
Refrigerant	R600a
Ambient operating temperature	Min. +5°C, max. +43°C
Solar power system	Matched to the appliance's power consumption, climate and ambient temperatures, with a solar radiation reference of 3.5 kWh/m² per 24 hours
Documentation	Printed user, installation and maintenance instructions supplied with each unit
Temperature range	+2 to +8 °C (vaccine zone)
Monitoring	Continuous logger/alarm
Power	Solar direct drive (direct PV operation)
Configuration	Combined refrigerator/freezer
Product code	SLE/CCE/03
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is a Solar Refrigerator-Freezer Used For?

Immunisation outreach depends on two things at the base clinic: a cold, safe store for vaccines and a steady supply of frozen water packs to keep cold boxes and vaccine carriers cool on the road. This appliance provides both from one solar-powered unit. The refrigerator section keeps 36 litr a stock