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Product Name :

Solar Direct Drive Refrigerator

Product Code :

SLE/CCE/02



Science Lab

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Description :

Solar Direct Drive Refrigerator (Product Code: SLE/CCE/02) is a large-capacity solar direct drive (SDD) vaccine refrigerator used to store vaccines at district stores, hospitals and health centres where mains power is absent or unreliable. It offers 220 litres of net vaccine storage and comes with an integrated Remote Temperature Monitoring Device (RTMD) that sends data over mobile networks and raises SMS alerts. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Type	Complete stand-alone SDD refrigerator with all necessarycomponents and fittings (plug and play)
Net vaccine storage volume	220 litres
Freeze protection	Grade A
Refrigerant	R600a
Ambient operating temperature	Min. +5°C, max. +43°C
Solar power system	Matched to the refrigerator's power consumption, climate and ambient temperatures, with a solar radiation reference of 3.5 kWh/m² per 24 hours
Remote temperature monitoring	Integrated RTMD; online web portal (in English) for data analysis, reporting and system setup, and data transfer via mobile networks with SMS alerts, for the duration of the subscription
Connectivity	Global/international SIM card operable with the mobile networks, frequency bands and APN settings of the receiving country
Data protection	Stored, transmitted and processed data, web portal profiles and server access protected with security measures
Power switch	User-accessible ON/OFF switch that isolates the refrigerator from the solar power system
Accessories	10 fuses of each type; lid with lock plus 2 keys; 6 baskets; compass
Manuals	User, installation and technician's manuals in English
Temperature range	+2 to +8 °C controlled vaccine zone
Monitoring	Continuous logger/alarm
Power	Solar direct drive (direct PV operation)
Product code	SLE/CCE/02
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

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