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Product Name :

Solar Direct Drive Refrigerator 99L

Product Code :

SLE/CCE/07



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Description :

Solar Direct Drive Refrigerator 99L (Product Code: SLE/CCE/07) is a solar direct drive vaccine refrigerator used to hold medium-to-large vaccine stocks at off-grid health facilities in warm climates. It provides 99 litres of net vaccine storage with R600a refrigerant and is specified for ambient temperatures from +10°C to +43°C, making it a fit for hot, sunny regions. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, a laboratory equipment supplier in India for programme and institutional buyers.

Specifications

Parameter	Detail
Type	Complete stand-alone SDD refrigerator with all necessary components and fittings (plug and play)
Net vaccine storagevolume	99 litres
Refrigerant	R600a
Ambient operating temperature	Min. +10°C, max. +43°C
Freeze protection	Grade A
Solar power system	Matched to power consumption, climate, ambient temperatures and a solar radiation reference of 3.5 kWh/m² per 24 hours
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/07
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Solar Direct Drive Refrigerator 99L Used For?

A 99-litre SDD refrigerator sits between compact clinic units and the largest store models. It is typically placed at a primary health centre or a hub that stocks vaccines for its own sessions and for nearby outreach teams, where there is no grid connection or the supply is too unreliable for a mains refrigerator. The solar array powers the cooling directly, so running costs are not tied to fuel deliveries.

The point to check before ordering is the site climate. This model is specified for ambient temperatures of at least +10°C, up to +43°C, so it suits hot lowland areas better than cold highland posts where rooms fall below that minimum. Keep the refrigerator in a shaded, ventilated room and let the installer place the solar panels as described in the installation manual.

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