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Product Name :

Solar Direct Drive Refrigerator Zero

Product Code :

SLE/CCE/06



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Description :

Solar Direct Drive Refrigerator Zero (Product Code: SLE/CCE/06) is a compact solar direct drive (SDD) refrigerator used to store vaccines at small clinics and outreach points that operateoff the electricity grid. Its 27 litres of net vaccine storage and R600a refrigerant suit facilities with a limited stock, and it is delivered as a complete plug-and-play unit. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for programme orders and laboratory equipment tenders in India.

Specifications

Parameter	Detail
Type	Complete stand-alone SDD refrigerator with all necessary components and fittings (plug and play)
Net vaccine storage volume	27 litres
Refrigerant	R600a
Ambient operating temperature	Min. +5°C, max. +43°C
Freeze protection	Grade A
Solar power system	To match the refrigerator's 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 supplied in English
Temperature range	+2 to +8 °C (vaccine zone)
Monitoring	Continuous logger/alarm
Power	Solar direct drive (direct PV operation)
Product code	SLE/CCE/06
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Solar Direct Drive Refrigerator Zero Used For?

This refrigerator is sized for the last mile of the vaccine cold chain: a sub-centre, dispensary or mobile-team base that receives small, regular deliveries and needs to hold them safely until the next session. Running straight from a solar array removes the dependence on kerosene, gas or an unreliable grid, and the 27-litre compartment keeps a modest stock without the footprint of a large store refrigerator.

R600a is a hydrocarbon refrigerant, so any repair on the sealed system should be left to a trained technician working from the supplied technician's manual. Staff can help by keeping the unit within the +5°C to +43°C ambient range it is specified for, loading vaccines so air can circulate, and r

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