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Product Name :

Solar Direct Drive Ref. Zero

Product Code :

SLE/CCE/05



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Description :

Solar Direct Drive Ref. Zero (Product Code: SLE/CCE/05) is a solar-powered vaccine refrigerator used to store larger vaccine stocks at health centres that must run their cold chain without grid electricity. Its 128 litres of net vaccine storage and R134a refrigerant make it a high-capacity SDD model, delivered as a complete plug-and-play installation with its matched solar power system. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**,Ambala, India, for programme purchases and lab equipment tender requirements.

Specifications

Parameter	Detail
Type	Complete stand-alone SDD refrigerator with all necessary components and fittings (plug and play)
Net vaccine storage volume	128 litres
Refrigerant	R134a
Ambient operating temperature	Min. +5°C, max. +43°C
Freeze protection	Grade A
Solar power system	Matched to 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 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/05
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Solar Direct Drive Ref. Zero Used For?

The Ref. Zero is meant for facilities that keep a sizeable vaccine stock on site, such as a community health centre or a base that re-supplies several outreach points. Because it is a solar direct drive appliance, its compressor draws on the solar array rather than on a mains line or a generator, so the store can stay cold where grid power never reached or fails for long periods. A 128-litre compartment gives room to separate antigens and diluents in an orderly way instead of crowding a small unit.

The specification ties the solar power system to the appliance's consumption, the local climate, ambient temperatures and a solar radiation reference of 3.5 kWh/m² per 24 hours. That reference is the
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