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**Product Name :**

Solar Direct Drive Refri 46.5L

**Product Code :**

SLE/CCE/08



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## Description :

**Solar Direct Drive Refri 46.5L** (Product Code: SLE/CCE/08) is a mid-size solar direct drive refrigerator used to store vaccines at off-grid health facilities that need more space than a compact unit but less than a store-size appliance. It has 46.5 litres of net vaccine storage, uses R600a refrigerant and is listed with solar panels of Indian origin. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for scientific equipment bulk supply and programme orders.

### Specifications

| Parameter | Detail |
|---|---|
| Type | Complete stand-alone SDD refrigerator with all necessary components and fittings (plug and play) |
| Net vaccine storage volume | 46.5 litres |
| Refrigerant | R600a |
| Ambient operating temperature | Min. +10°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 |
| Solar panel origin | India |
| 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/08 |
| Manufacturer | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

### What Is the Solar Direct Drive Refri 46.5L Used For?

This refrigerator keeps the routine vaccine stock of a dispensary, sub-district clinic or mission hospital cold where grid power cannot be trusted. At 46.5 litres, it leaves space for incoming deliveries to be sorted by antigen and expiry without overfilling, which helps cold air reach every vial. Because the compressor is driven by the solar array, the facility does not need fuel or a generator to keep the cold chain running.

The panels listed for this model are of Indian origin, a detail some buyers record for procurement files. Like the [illegible] SDD unit it is specified for ambient temperatures of +10°C to +43°C, so pla
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