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**Product Name :**

Solar Direct Drive Ref. Sun

**Product Code :**

SLE/CCE/09



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## Description :

**Solar Direct Drive Ref. Sun** (Product Code: SLE/CCE/09) is a solar direct drive vaccine refrigerator used to keep vaccines cold at health facilities without a dependable grid supply, in both warm and cooler locations. It holds 54.5 litres of net vaccine storage, runs on R600a refrigerant and is rated for ambient temperatures from +5°C up to +43°C. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for health-programme andlab equipment tender buyers in India and abroad.

### Specifications

| Parameter | Detail |
|---|---|
| Type | Complete stand-alone SDD refrigerator with all necessary components and fittings (plug and play) |
| Net vaccine storage volume | 54.5 litres |
| Refrigerant | R600a |
| 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 |
| Solar panel origin | Canada or 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/09 |
| Manufacturer | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

### What Is the Solar Direct Drive Ref. Sun Used For?

The Ref. Sun is chosen for clinics whose rooms get cool at night or in winter, because its specified ambient range starts at +5°C rather than a warmer minimum. With 54.5 litres of net volume it serves a busy clinic or a small health centre, storing routine vaccines between deliveries. The solar array powers the cooling directly, so the facility is not tied to grid hours, fuel or generator maintenance.

For procurement, note that the solar panels for this model are listed as of Canadian or Indian origin

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