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Product Name :

Solar Direct Drive Frz.

Product Code :

SLE/CCE/012



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Description :

Solar Direct Drive Frz. (Product Code: SLE/CCE/012) is a stand-alone solar direct drive freezer used to freeze and store water-packs for vaccine carriers and cold boxes at health facilities without reliable grid power. It freezes 2.4 kg of water-packs per 24 hours and can hold up to 20 kg of packs, using R600a refrigerant. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, a laboratory equipment supplier in India that also handles cold-chain equipment.

Specifications

Parameter	Detail
Type	Complete stand-alone SDD freezer with all necessary components and fittings (plug and play)
Water-pack freezing capacity	2.4 kg per 24 hours
Water-pack storage capacity	20 kg
Refrigerant	R600a
Ambient operating temperature	Max. +43°C
Solar power system	Matched to the appliance'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
Monitoring	Continuous logger/alarm
Power	Solar direct drive (direct PV operation)
Product code	SLE/CCE/012
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Solar Direct Drive Freezer Used For?

Refrigerators keep vaccines cold, but carriers and cold boxes depend on a steady supply of frozen water-packs. The Solar Direct Drive Frz. is the dedicated appliance for that job: it freezes 2.4 kg of packs each 24 hours from solar power and builds up a reserve of as much as 20 kg. That reserve is useful before campaign days, when many teams leave the base at once with loaded carriers.

It is commonly installed next to an SDD refrigerator, so one site has both cold storage and pack production without grid electricity. Load packs in batches rather than all at once, leave space for air around new packs, and follow your programme's guidance on conditioning frozen packs before they go into a carrier with vaccines.

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