Labycare-Plasma with solar system Refrigerator (SKSS882)



The Plasma Refrigerator with Solar System offers dependable plasma storage using solar and AC hybrid power. It ensures continuous, energy-efficient cooling even in power-deficient areas. Equipped with precise temperature control, digital display, and eco-friendly refrigeration, it's ideal for blood banks, hospitals, and research laboratories.

Description :

Product Cat # SKSS882

The Plasma Refrigerator with Solar System is a reliable, energy-efficient storage unit designed to preserve plasma, vaccines, and other biological products at precise temperatures. Integrated with a solar power system, it ensures continuous operation even in areas with unstable electricity. The refrigerator maintains uniform cooling through advanced temperature control and insulation, providing safe and sustainable storage for blood banks, laboratories, and hospitals

Specifications :

Parameter	Specification
Temperature Range	-30°C to -40°C
Capacity	100 to 500 Litres (various models available)
Power Source	Solar power with AC mains hybrid system
Solar Panel Type	Polycrystalline or Monocrystalline photovoltaic panels

Battery Type	Maintenance-free deep-cycle battery
Backup Duration	Up to 24 hours (model dependent)
Controller	MPPT (Maximum Power Point Tracking) charge controller
Temperature Control	Microprocessor-based digital temperature controller
Display	LED/LCD digital temperature display
Alarm System	High/Low temperature, door open, and power failure alarms
Refrigerant	CFC-free, eco-friendly refrigerant
Insulation	High-density polyurethane foam (PUF)
Door Type	Solid or glass door with lock (optional)
Interior Material	Stainless steel (SS 304 grade)
Exterior Material	Powder-coated mild steel or stainless steel
Data Logging	USB/SD card compatible (optional)
Power Consumption	Low, solar-optimized energy efficiency
Application	Blood banks, plasma centers, hospitals, and laboratories