

Promethean Solar Power Pack

Complements the Thermal Storage Solution



Promethean's Milk Chillers cools milk without using a diesel generator. Using the stored Thermal Energy the system can chill up to 2000 litres of milk per day even if there is no power during the milk collection by using only 4 hours of intermittent grid power between each milking shift.

The 1 Kw Solar Power Pack runs the other equipment in the chilling centre in the absence of grid power.

Promethean Solar Pack comes with a small battery bank capable to meet the energy needs of small miscellaneous loads at a milk collection centre. The battery bank has the following configuration:

- Battery: 24V 200Ah
- Inverter and charger: 1.5 - 2 KVA smart inverter
- Solar panels: 1000 watts (4 solar panels taking up 100 sq. ft.)

Components run by the Solar Pack:

- 0.5 HP Milk Pump for tanker loading
- Agitator of the milk chiller
- Coolant circulation pump of the milk chiller
- Automatic milk collection unit (AMCU)



promethean
power systems
redefining refrigeration

SYSTEM COMPONENTS

