

# Competitive Advantages of Inficold's 5MT Solar Cold Storage



Parameters	Inficold	Competition	Inficold Advantages
Solar panel capacity	7 kWp	5 kWp	40% larger solar panels
Thermal energy storage capacity	200 MJ	100 to 120 MJ	70% higher backup
Electrical battery capacity	7.2 kVAh	3.6 kVAh	100% higher backup
Temperature range	0 to 20 °C	4 to 20 °C	Wider storage applications
Multiple chambers with individual temperature control	Yes	No	Flexibility to store multi commodities
Integration with existing cold storage	Yes	No	Design flexibility
Compressor capacity	4.5 TR	2.5 TR	70% bigger compressor
Maximum allowable condensing temperature of compressor	80 °C	60 °C	Works at more than 45 °C ambient
Axial fans in condenser and evaporator	Brushless Motor ~50,000 hours of life	Carbon Brush Motor ~5,000 hours of life	10x longer fan life
Condenser construction	Copper	Aluminum	Longer life & higher efficiency
System construction	Steel roofing & dedicated equipment room	No steel roofing & no equipment room	Higher security & reduced water leakage chances