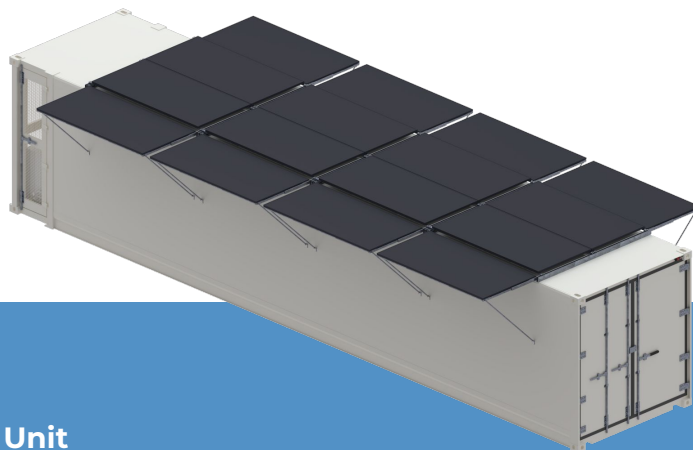




GRID INDEPENDENT SOLAR-POWERED COLD STORAGE



40 ft FM Cooler

FM Series SPCS (Solar-Powered Cold Storage) Unit
Generation 7 Container

SPECIFICATIONS	COOLER
Cold Storage Temperature	Nominal 35 °F (Range: 32 °F to 60 °F)
Cooling Capacity ⁺	14.6 kBTUh ^a
Refrigerant	R-449A
Sound Data	55 dBa ^b
Cold Storage Dimensions	36' 7" x 7' 2" x 7' 4" (L x W x H)
Composite R-Value	30.8
Shipping Dimensions	40' x 8' x 9' 6" (L x W x H)
Shipping Weight	16,430 lbs
Solar Array Dimensions	31' 11" x 15' 3" (L x W) ^c
Rated PV Power ⁺	9.4 kW ^d
Solar Panel Efficiency	23 %
Battery Energy Storage ⁺	48.0 kWh
Battery Chemistry	Lithium Iron Phosphate (LiFePO ₄)

KEY FEATURES



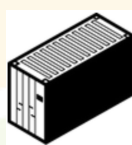
Remote Control
& Monitoring



Commercial
Refrigeration



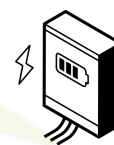
Heating &
Ventilation



Large Storage
Space



High Efficiency
Solar Panels



Safe Battery
Energy Storage



Transformerless
Hybrid Inverter

^a Test Conditions (TC): 95 °F Ambient / 25 °F SST, 65 °F return gas; 5 °F subcooling

^b Sound pressure values are 10 feet from the unit at operating temperatures and 90 °F ambient

^c Maximum shaded footprint when solar arrays are horizontal

^d Standard Test Conditions (STC): air mass AM1.5, irradiance 1000 W/m², temperature 25 °C

⁺ Baseline, can be customized for location/climate