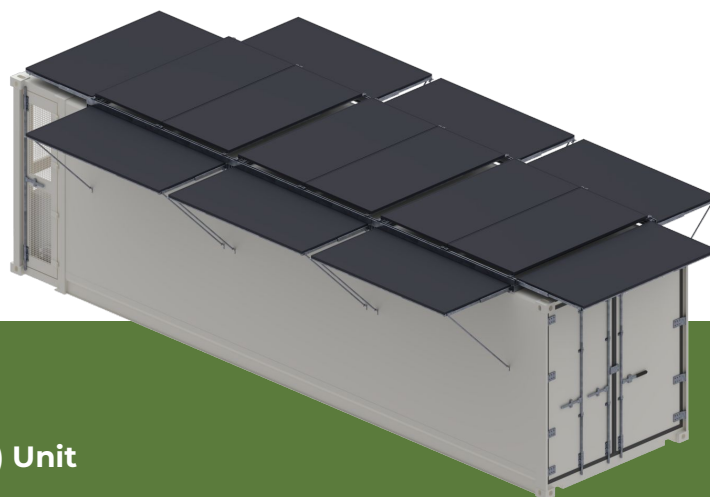




GRID INDEPENDENT SOLAR-POWERED COLD STORAGE

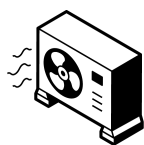


30 ft AM Freezer

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

SPECIFICATIONS	FREEZER
Cold Storage Temperature	Nominal 0 °F (Range: -5 °F to 60 °F)
Cooling Capacity ⁺	11.3 kBTUh ^a
Refrigerant	R-449A
Sound Data	53 dBa ^b
Cold Storage Dimensions	26' 6" x 7' 2" x 7' 4" (L x W x H)
Composite R-Value	30.8
Shipping Dimensions	29' 11" x 8' x 9' 6" (L x W x H)
Shipping Weight	13,130 lbs
Solar Array Dimensions	31' 3" x 15' 3" (L x W) ^c
Rated PV Power ⁺	8.3 kW ^d
Solar Panel Efficiency	23 %
Battery Energy Storage ⁺	48.0 kWh
Battery Chemistry	Lithium Iron Phosphate (LiFePO ₄)

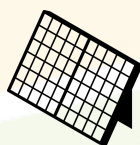
KEY FEATURES



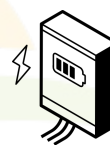
Commercial
Refrigeration



Large Storage
Space



High Efficiency
Solar Panels



Safe Battery
Energy Storage



Transformerless
Hybrid Inverter

^a Test Conditions (TC): 95 °F Ambient / -10 °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