



RADIANT INNOVATION

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GRID INDEPENDENT SOLAR-POWERED COLD STORAGE



7x14 ft FM Cooler

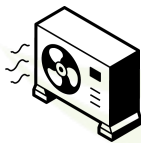
FM Series SPCS (Solar-Powered Cold Storage) Unit
Generation 8 Trailer

SPECIFICATIONS	COOLER
Cold Storage Temperature	Nominal 35 °F (Range: 0 °F to 50 °F)
Cooling Capacity	6.8 kBTUh ^a
Refrigerant	R-452A
Cold Storage Dimensions	13' 8" x 6' 3" x 7' 2" (L x W x H)
Composite R-Value	27.8
Shipping Dimensions	20' 8" x 8' x 9' (L x W x H)
Shipping Weight	4,640 lbs
Solar Array Dimensions	12' 10" x 15' 3" (L x W) ^b
Rated PV Power ⁺	3.5 kW ^c
Solar Panel Efficiency	22.6 %
Battery Energy Storage ⁺	16.0 kWh
Battery Chemistry	Lithium Iron Phosphate (LiFePO ₄)

KEY FEATURES



Remote Control
& Monitoring



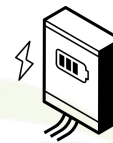
Transport
Refrigeration



Rapid
Portability



High Efficiency
Solar Panels



Safe Battery
Energy Storage



Transformerless
Hybrid Inverter

^a Test Conditions (TC): 86 °F Ambient / 35.6 °F Box, 50% RH

^b Maximum shaded footprint when solar arrays are horizontal

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

+ Baseline, can be customized for location/climate/application

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Specifications subject to change without notice; Rev A