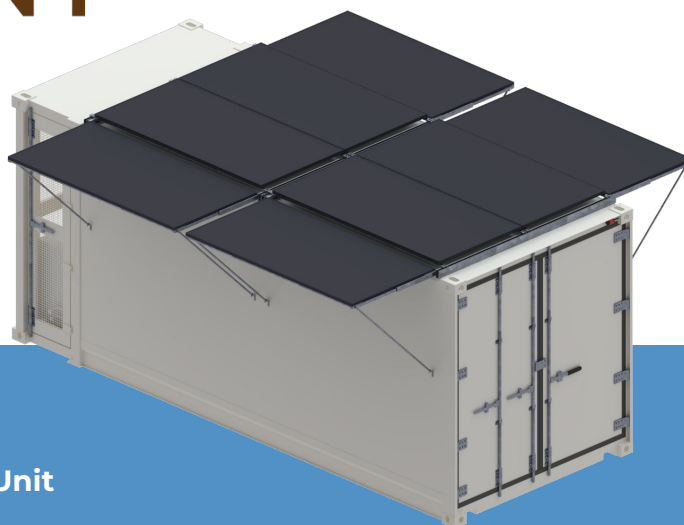




## GRID INDEPENDENT SOLAR-POWERED COLD STORAGE



## 20 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 <sup>+</sup>       | 8.8 kBTU/h <sup>a</sup>                       |
| Refrigerant                         | R-449A                                        |
| Sound Data                          | 55 dBA <sup>b</sup>                           |
| Cold Storage Dimensions             | 16' 5" x 7' 2" x 7' 4" (L x W x H)            |
| Composite R-Value                   | 30.9                                          |
| Shipping Dimensions                 | 19' 11" x 8' x 9' 6" (L x W x H)              |
| Shipping Weight                     | 8,620 lbs                                     |
| Solar Array Dimensions              | 15' 12" x 15' 3" (L x W) <sup>c</sup>         |
| Rated PV Power <sup>+</sup>         | 4.7 kW <sup>d</sup>                           |
| Solar Panel Efficiency              | 23 %                                          |
| Battery Energy Storage <sup>+</sup> | 16.0 kWh                                      |
| Battery Chemistry                   | Lithium Iron Phosphate (LiFePO <sub>4</sub> ) |

## KEY FEATURES



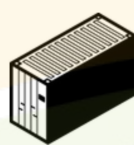
Remote Control  
& Monitoring



Commercial  
Refrigeration



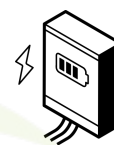
Heating &  
Ventilation



Large Storage  
Space



High Efficiency  
Solar Panels



Safe Battery  
Energy Storage



Transformerless  
Hybrid Inverter

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

<sup>b</sup> Sound pressure values are 10 feet from the unit at operating temperatures and 90 °F ambient

<sup>c</sup> Maximum shaded footprint when solar arrays are horizontal

<sup>d</sup> Standard Test Conditions (STC): air mass AM1.5, irradiance 1000 W/m<sup>2</sup>, temperature 25 °C

<sup>+</sup> Baseline, can be customized for location/climate