

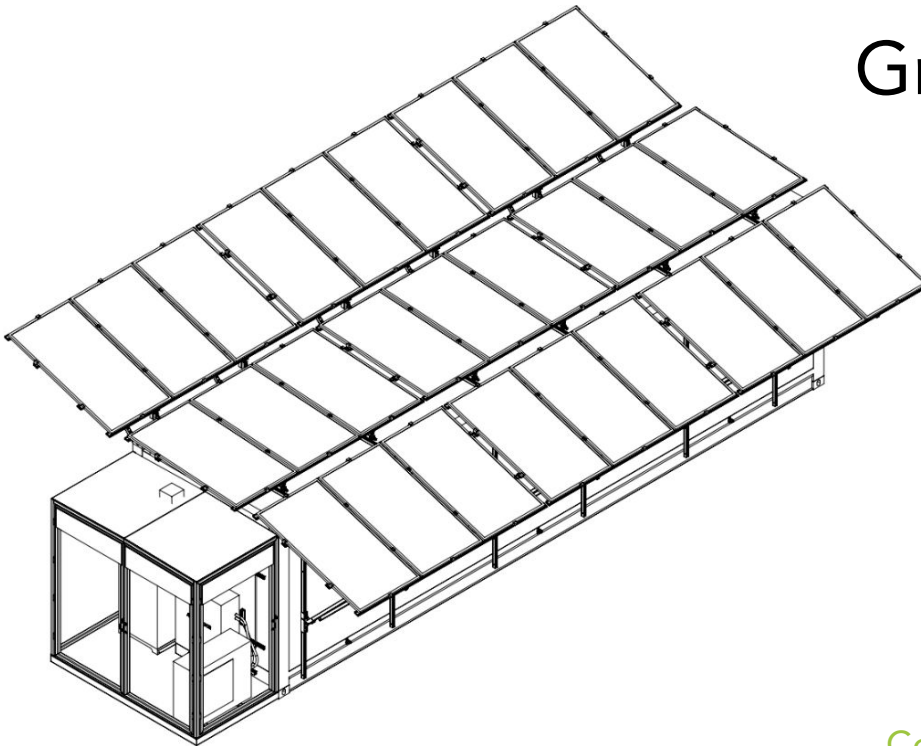
SPCS

Solar-Powered Cold Storage Unit

30 ft Cold Storage Series



Grid-Independent Solar-Powered Cold Storage



Heterojunction
Cell
Technology



PV Production

Cooler (35 °F) 10.8 kW ^a

Freezer (0 °F) 10.8 kW ^a

Scroll
Compressor



Cooling Capacity

Cooler (35 °F) 14.2 kBTUh ^b

Freezer (0 °F) 17.2 kBTUh ^c

LiFePO₄
Battery
Chemistry



Energy Storage

Cooler (35 °F) 31 kWh ^d

Freezer (0 °F) 41 kWh ^d

EasyWheel
Aluminum
Flooring



Cold Storage Space

Cooler (35 °F) 204 ft²

Freezer (0 °F) 204 ft²

Smart Features

- Remote monitoring and controls (option)
- Smart ventilation (Cooler option)
- Smart freeze-prevention (Cooler option)
- Video surveillance and security (option)
- Geographic adaptability from latitude 19°N to 41°N

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

^b Test Conditions (TC): 90°F Ambient / 25°F SST, 65°F return gas; 5°F subcooling; baseline, can be customized for location/climate

^c Test Conditions (TC): 90°F Ambient / -10°F SST, 65°F return gas; 5°F subcooling; baseline, can be customized for location/climate

^d Baseline, can be customized for location/climate