

# Solar Cold Room

## SelfChill AC | 30 M<sup>3</sup> | 2 °C | 250 kg/day | 45 °C

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The SelfChill Cold Room is a pre-configured plug and play kit. This stand-alone system comes complete with PV panels, batteries, and optional grid connection. The kit includes an inverter and charge controllers that seamlessly connect PV panels, batteries, and the Monoblock units. The cold room is designed to cool 250kg of products per day to 2°C for extremely hot ambient temperatures up to 45°C. Our technical team adapts the amount of PV panels and Monoblock units based on your location and daily freezing requirements.



Technical Data	
Room volume	30 m <sup>3</sup>
Room temperature	2 °C
Max. ambient temperature	45.0 °C
Insulation	100 mm
PV capacity	9100 Wp
Usable battery capacity	830 Ah @ 48 VDC
Cooling capacity	3050 W
Inverter	3 kVA 1-Phase
Max total charging current	175 A
Nominal voltage	230 V AC
Power consumption	1560 W
Maximum AC current	9.9 A
Refrigerant	R290
Refrigerant load	<0,1 kg
Total performance COP	1,2

Components	Quantity
PV panel Consort 415Wp	22
Battery Li Weco 5k3 XP	8
Inverter Victron Multiplus II 3KVA	1
Monoblock refrigeration unit	3
Charge controller Victron Smart Solar MPPT 250/85	1
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Cables, connectors and fuses	1 Set
PV mounting structure	Optional