

# SOLAR COLD ROOM

## SelfChill AC | 60 M<sup>3</sup> | 2 °C | 750 kg/day | 35 °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 750kg of products per day to 2°C for extremely hot ambient temperatures up to 35°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	60 m <sup>3</sup>
Room temperature	2 °C
Max. ambient temperature	35.0 °C
Insulation	100 mm
PV capacity	13280 Wp
Usable battery capacity	990 Ah @ 48 VDC
Cooling capacity	4200 W
Inverter	5 kVA 1-Phase
Max total charging current	266 A
Nominal voltage	230 V AC
Power consumption	2080 W
Maximum AC current	13.2 A
Refrigerant	R290
Refrigerant load	<0,1 kg
Total performance COP	1,2

Components	Quantity
PV panel Consort 415Wp	32
Battery Li Weco 5k3 XP	9
Inverter Victron Multiplus II 3KVA	1
Monoblock refrigeration unit	4
Charge controller Victron Smart Solar MPPT 250/85	1
Charge controller Victron Smart Solar MPPT 250/100	2
Cables, connectors and fuses	1 Set
PV mounting structure	Optional