

SOLAR COLD ROOM

SelfChill AC | 60 M³ | 2 °C | 750 kg/day | 45°C

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The SelfChill Solar 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 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	60 m ³
Room temperature	2 °C
Max. ambient temperature	45.0 °C
Insulation	100 mm
PV capacity	17400 Wp
Usable battery capacity	1720 Ah @ 48 VDC
Cooling capacity	5250 W
Inverter	5 kVA 1-Phase
Max total charge current	349 A
Nominal voltage	230 V AC
Power consumption	2600 W
Max AC Current	16.5 A
Refrigerant	R290
Refrigerant load	<0,1 kg
Total performance COP	1,2

Components	Quantity
PV panel Consort 415Wp	42
Battery Li Weco 5k3 XP	16
Inverter Victron Multiplus II 5KVA	1
Monoblock refrigeration unit	5
Charge controller Victron Smart Solar MPPT 250/85	5
Cables, connectors and fuses	1 Set
PV mounting structure	Optional