

# Рефрижераторный контейнер KOALA GREEN 500

## Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Россия +7(495)268-04-70

Казахстан +(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: [mho@nt-rt.ru](mailto:mho@nt-rt.ru) || сайт: <https://melform.nt-rt.ru/>

# Self powered refrigerated container KOALA GREEN 500

21/01/2025  
Rev.2



ATP



The Koala Green refrigerated containers are powered by a LiFePO<sub>4</sub> battery, making them completely autonomous and independent from a vehicle. The removable battery can be recharged by connecting the Koala Green to the mains power(230V) or with an external charger after removing it from the refrigeration unit.

- Brand: MELFORM
- Country of origin: ITALY
- Customs code: 84181080
- ATP Certificate
- Compatible with food contact
- Colour: grey/blue
- Power supply and charging at 230Vac
- Technology: rotational moulding
- Warranty: 24 months
- Fully recyclable at the end of its operational life
- Available in version on wheels. Optionally available in basic version, on pallets or feet
- Available with **120Ah** LiFePO<sub>4</sub> battery









## MANUFACTURING MATERIALS

<b>Polyethylene</b>	internal and external walls of the container and door; Suitable for food contact	<b>Polyurethane</b>	CFC- and HCFC-free insulating material between the container and door walls
<b>Silicone rubber</b>	gasket	<b>Rubber and polyamide</b>	wheels (rubber tread and polyamide core)
<b>Galvanized steel</b>	crankcase, hinge rods, hinge rod connection plates, wheel support	<b>Stainless steel</b>	handling handles, closing handle, rod door interior
<b>Polypropylene</b>	Hinges		

Model	Product code	EAN code	External dimensions (mm)	Internal dimensions (mm)	Capacity (litres)	Weight (Kg)
<b>Top cooling unit, ventilated 0°C +10°C 120Ah battery</b> Version with wheels	K500AFTVDYM1C	8022949223236	715x850xh1915	540x660xh1170	416	140
<b>Top cooling unit, ventilated 0°C +40°C 120Ah battery</b> Version with wheels	K500AFTVDZM1C	8022949223021				

Model	Ambient Temp. (°C)	Temp. Set Point (°C)	Battery life (h)
Koala Green 500 AF <b>0°C +10°C</b>	30	0	10
Koala Green 500 AF <b>0°C +40°C</b>			
Koala Green 500 AF <b>0°C +40°C</b>	0	40	12

## REFRIGERATION UNIT FEATURES

	The ventilation system ensures a higher speed of reaching and uniformity of temperature inside the container		Cable for <b>230Vac</b> 50-60Hz power supply  (standard equipment)
	The battery indicator displays: <ul style="list-style-type: none"> <li>Battery Voltage (V)</li> <li>Current (A) Input/Output</li> <li>Power (W) Input/Output</li> <li>Ampere hours (Ah) consumed</li> <li>State of charge (%)</li> <li>Remaining autonomy (h)</li> </ul>		LiFePO4 battery with overcharge and deep discharge protection. Guaranteed for 2000 cycles with <u>&gt;80% charge holding capacity</u>
	Temperature regulation and control with programmable digital thermostat		Removable battery for easy replacement and charging via special external power supply  Battery <b>storage limit temperature: -20°C / +60°C</b>
	EVlink module with bluetooth interface available on request		Guaranteed refrigeration unit performance for ambient T-use: <b>+10°C to +30°C</b> Container (isothermal body) guaranteed for use: <b>-30° to +100°C</b>

Degree of accuracy: **+/-0.5°C**

Refrigerant gas: **R134a**



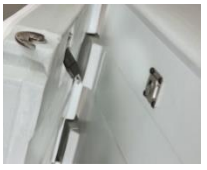





Rated Power Consumption: **1A**

Fuse: **4A**

Global heat transfer coefficient: **K=0.32 W/m2K**

Charging time battery life: **approx. 8/10 h**

## PRODUCT FEATURES

	1 seat for housing the grid positioned 60 cm from the bottom of the container. Grid available on request		Stainless steel rod with 2 hooks integrated inside the door
	Door can be open up to 270° with latch – flap door		Stainless steel closing handle with release button; prepared for the use of an anti-tampering system
	Equipped with 4 rubber wheels with a diameter of 100mm (2 fixed and 2 swivel, one of which is equipped with brake) Wheel support plate integrated into the enclosure		Easily removable door sealing gasket
	Also available in the following versions: <ul style="list-style-type: none"> <li>• BASIC</li> <li>• Pallet with galvanized steel frame at 4 feet of h 120mm</li> <li>• 4 galvanized steel feet h 130mm</li> </ul>		RFID systems for traceability

ACCESSORIES	Amperage	Weight (kg)	Dim. (mm)	Code
Stainless steel grid		3	550x650xh16	AEA008
Plastic folding grid		1,1	535x594xh20	PAPE0001
Plastic card holder			A5	RRI141
Floor/vehicle fixing kit for Basic version		2		RRI222
USB Data Logger, temperature range -30°C +70°C				AFG007
Battery charger	20 Ah			CHARGER20A
Battery KOALA GREEN	120 Ah			BATT120AH
Battery with charger for KOALA GREEN	120 Ah			BACH120AH

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