

BATTERY ISOLATORS



UNIMOS 80.24/2	UNIMOS 120.24/2	UNIMOS 160.24/3	UNIMOS 200.24/3
Ref 1399	Ref 1511	Ref 1405	Ref 1412

System	UNIMOS 80.24/2	UNIMOS 120.24/2	UNIMOS 160.24/3	UNIMOS 200.24/3
Technology	MOS	MOS	MOS	MOS
Operating voltage	12/24 V	12/24 V	12/24 V	12/24 V
Max. intensity	80 A	120 A	160 A	200 A

Battery	UNIMOS 80.24/2	UNIMOS 120.24/2	UNIMOS 160.24/3	UNIMOS 200.24/3
Accepted battery voltage	12/24 V	12/24 V	12/24 V	12/24 V
Number of outputs	2	2	3	3

Charge	UNIMOS 80.24/2	UNIMOS 120.24/2	UNIMOS 160.24/3	UNIMOS 200.24/3
Max. current	80 A	120 A	160 A	200 A
voltage drop at end of charging cycle	10 A 20 A 50 A	0 V 0,01 V 0,05 V	0 V 0,01 V 0,05 V	0 V 0,01 V 0,05 V

Alternator	UNIMOS 80.24/2	UNIMOS 120.24/2	UNIMOS 160.24/3	UNIMOS 200.24/3
With excitation current (IG terminal)	yes	yes	yes	yes
Without excitation current	yes	yes	yes	yes
Max. current	80 A	120 A	160 A	200 A

Mechanical characteristics	UNIMOS 80.24/2	UNIMOS 120.24/2	UNIMOS 160.24/3	UNIMOS 200.24/3
Operating temperature	-20°/+60°C	-20°/+60°C	-20°/+60°C	-20°/+60°C
Storage temperature	-30°/+80°C	-30°/+80°C	-30°/+80°C	-30°/+80°C
Dimensions in mm (wxhxd)	110×70×35	110×70×35	145×85×35	145×85×35
Weight	125 g	135 g	300 g	300 g

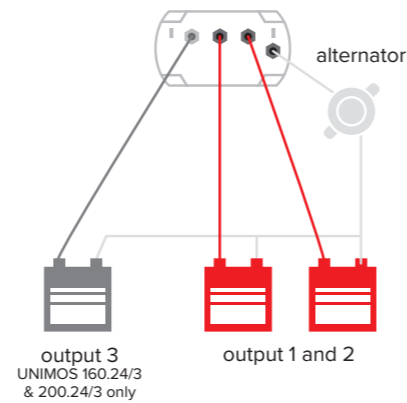
Warranty	UNIMOS 80.24/2	UNIMOS 120.24/2	UNIMOS 160.24/3	UNIMOS 200.24/3
Period	2 years	2 years	2 years	2 years



Battery voltage reference cable UNIMOS
Essential for the operation of battery isolator UNIMOS with battery charger or solar charge controller. It transforms your battery charger or your solar charge regulator into multi-output products.
Ref 2303



CENTRALISED CHARGING MANAGEMENT



OPTIMISED RESTITUTION

Load distributor		
with a diode	with a standard MOS system	UNIMOS
compactness		
--	+	+++
restituted charging power		
- loss 3 > 6%	+ loss 0,5 > 4%	+++ loss 0,01 > 0,5%
restituted charging voltage		
- loss 0,7 V	+ loss 0,1 > 0,2 V	+++ loss 0,01 V

PERFECT CHARGE

UNIMOS guarantees a 100% charge of your battery

Load distributor		
with a diode	with a standard MOS system	UNIMOS
alternator charging power		
14,2 V	14,2 V	14,2 V
voltage drop due to cable (2%)		
-0,3 V	-0,3 V	-0,3 V
voltage drop due to distributor		
-0,7 V	-0,2 V	-0,01 V
output voltage from distributor		
13,2 V	13,7 V	13,9 V
Battery's charging level (end of charge 13,9V floating)		
80% -0,7 V	90% -0,2 V	100% 0 V

UNIMOS battery isolators

COMPACTNESS & PERFORMANCE



100% Exceptional efficiency

Direct to PCB power connector for faster energy transfer without loss of power

Low voltage drop MOS technology for a switching without voltage drop

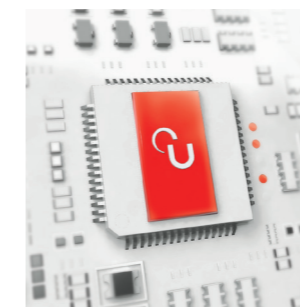
Exceptional compactness

100% made in France



Designed, made in France

MOS LOW VOLTAGE DROP TECHNOLOGY



The UNIMOS range is revolutionizing the market of battery isolators. UNIMOS distributes the charge of your alternator, battery charger or solar charge controller on each of your batteries without power loss while isolating each battery to prevent them from unloading each other.

Thanks to its latest generation electronics (Low Voltage Drop MOSFET) combined with its power connectors directly soldered on the electronic board, UNIMOS offers:

- exceptional compactness (up to ×5 smaller),
- up to ×10 less power loss compared to other MOSFET battery Isolators on the market,
- a faster charge,
- a gain in energy and / or fuel.