



Delivering  
the power  
as you need



# SNCB M7 New coaches

UIC Multi-Voltage Converter

A Katium® converter  
developed in compliance  
with the highest interference  
standards for M7 coaches



Lightweight solution compatible with UIC voltages and national track signaling systems,  
improving M6 performances

## High integration

- Specific cooling and magnetic design against condensation
- Modular approach
- Smart battery charger back-up
- Operate on trains with mixed M6/M7 coaches
- Light aluminum enclosure

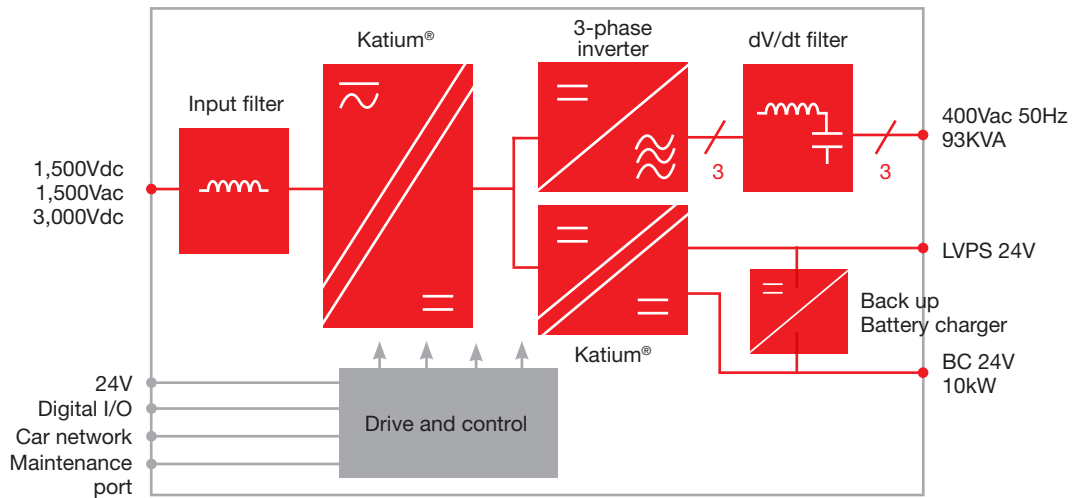
## Unique and smart input stage

- 3 UIC voltages with automatic detection
- Impedance compatibility with UIC and INFRABEL requirements
- Netherlands, German, Belgium track signaling compatibility
- Service proven topology



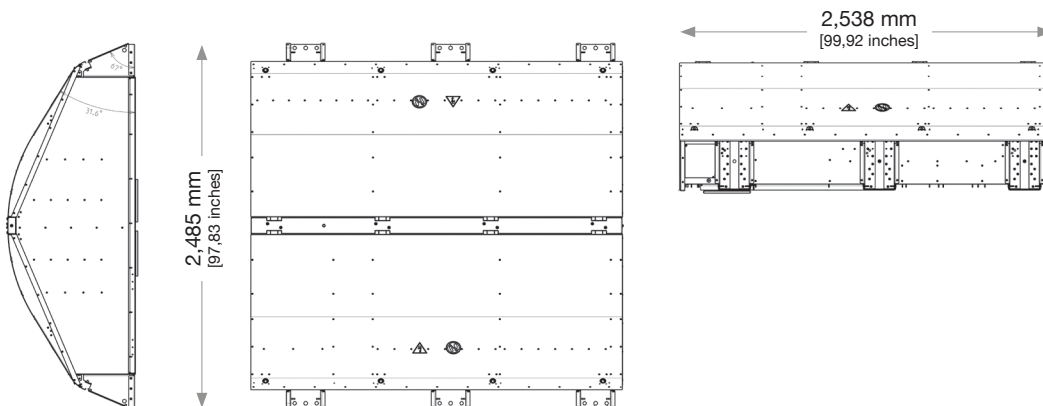
## CUSTOMER BENEFITS :

- + Better reliability and availability
- + Protection against condensation
- + Optimized maintenance operation
- + Higher power and lighter weight



## Specifications

<b>Input nominal voltage</b>	UIC 1500Vdc, 1500Vac 50Hz, 3000Vdc
<b>UIC Power factor</b>	> 0,98
<b>Track signaling compatibility</b>	Belgium, Luxemburg, Netherlands, Germany
<b>Inverter output</b>	400 Vac 50 Hz – 93 kVA - sinus filter
<b>Battery charger output</b>	24Vdc – 10 kW
<b>Operating temperature</b>	-25°C to 40°C
<b>Cooling</b>	Forced air cooled
<b>Enclosure</b>	Painted Aluminum Fully roof integrated
<b>Weight</b>	1050kg
<b>Specific Functions</b>	Battery charger back-up, Shop power, Automatic supply voltage switchover, flat battery starter
<b>Customer functions</b>	HVAC supply, Air fan, Heater management system
<b>Certifications</b>	UIC



To discover everything APS for M7 can do, contact:

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