



Delivering
the power
as you need



New York City Transit R160 upgrade program

Inverter & Battery Charger



Katium® SiC boosts overall performance

A conventional converter on R160 metro was successfully replaced by a Katium® SiC converter, notably improving overall performance.

High efficiency, high compacity

- SiC technology
- Compact galvanic insulation with small transformers
- High frequency operating, inaudible noise
- Fanless cooling

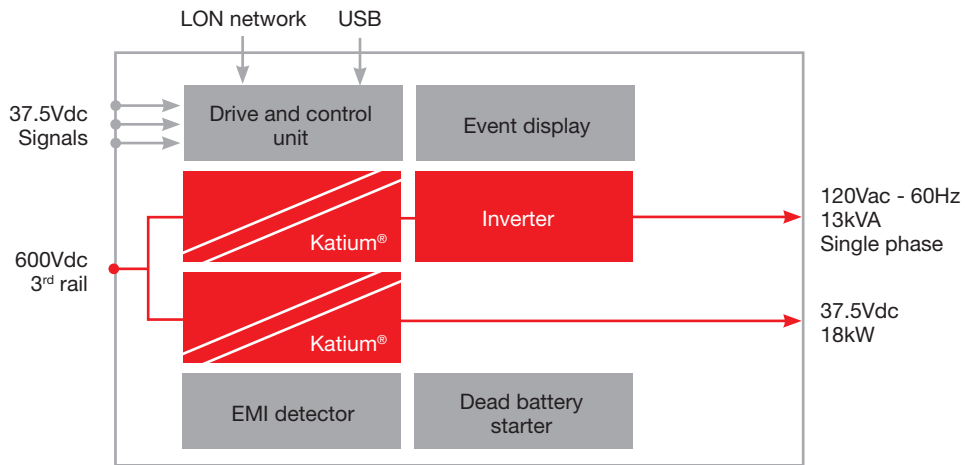
Unique and smart input stage

- Robust against voltage transients
- No inrush current in any situation
- Harmonic rejections 50 times better than LC filter
- Service proven topology



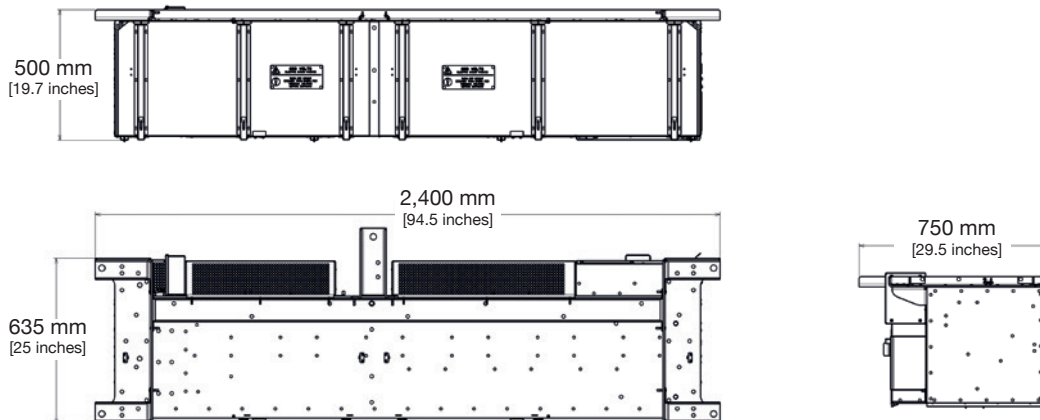
CUSTOMER BENEFITS :

- + Better reliability
- + Quiet operation
- + Shorter repair time with easily interchangeable modules
- + 25% lighter in weight



Specifications

Input nominal voltage	3 rd rail 600 Vdc
Inverter output	120 Vac 60 Hz - 13 kVA
Battery charger output	37.5 Vdc - 18 kW
Operating temperature	-18°C to 50°C [0 °F to 120 °F]
Efficiency	> 95%
Cooling	Free air
Enclosure	Stainless steel
Weight	340kg [750 lb]
Certification	NYCTA qualification



To discover everything APS for R160 can do, contact:

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