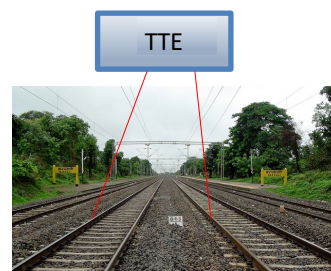




TTE-Havester.

Railroad track-energy harvester.

- AC/DC Energy Harvesting, 2.5V to 60V
- 12V AGM Battery and battery Charger
- Op to 24V 15W isolated output
- Eliminate powersupply from grid.
- No excavating for cable traces



An important task for the TTE– Harvester, is to harvest power from railway systems and supply energy, for example, telemetric systems and/or to cover the increasingly demand for powersupply for all kind of info systems.

Uses the voltage drop between DC/DC, DC/AC or AC/AC railroad track systems.

Connect the unit to power return rail/path from 2 separate systems. Voltage drop in the current return conductors, rail and the additional conductors in the power path, drives the TTE-Harvester.

Op to 4A charge performance.

The output voltage is optional, 3V to 24V, but limited to 15W.

Additional voltage outputs on request.

0-10V isolated output for, Battery voltage level, indication.

28Ah Back up, AGM battery included.

For rail systems with "VLD" for overvoltage protection. EN 10122-1.

If the rail system is with insufficient overvoltage protection, an additional 100V rms VLD unit must be added.

Applicable standarts:

Electrical safety EN60439-1,-2,-3,-4,-5

EMC, EN50125-3

Conformity, CE.





TTE-Havester.

Railroad track-energy harvester.

Proces voltage 2,8V-60Vp 0-100Hz

Charge up to 4A . Lead Acid battery.

Output isolated 24V DC, max 15W.

Dimensions, L210-H86-D58mm

Din rail mounted.

Max voltage peak 2ms	550V		
Max Voltage	150V DC	105V AC rms	DC, 16-2/3Hz- 100Hz
Max supply cur- rent	15Ap		
Max output at 2,8V AC/DC in.	Charge 300mA	Supply 15W	
Max output at 55V AC/DC in.	Charge 4A	Supply 15W	
Output voltage	24V DC	15W	
Output voltage options.	3V-3.3V-5V-9V- 12V-15V -24V	Or combinations.	Max. 15W
Fuse, circuit bra- ker.	15A , slow		
Electrical safety	EN60439-1,-2,-3,- 4,-5	Output isolation voltage	4kV
EMC	EN50125-3		
Charging voltage.	Temp. compensa- ted	12,75V-16V	Lead Acid