



INPS
ENVIRONMENTAL
PRODUCTS INC.

THE **BANANA** LOCOMOTIVE APU

Save on fuel without sacrificing crew comfort

Our proprietary **Banana APU**
is designed to:

- Reduce excess idling
- Save fuel
- Reduce engine wear
- Keep your crew comfortable

A true **win-win** for everyone.



From the team that brought you
the world's first commercially
available locomotive APU –
and supplied tens of thousands
of APU's to the transportation
industry – IEP presents their
newest innovation:

The Banana AUXILIARY POWER UNIT BY IEP

We were green, but now we're ripe...

We listened!

You said reduce the size and weight...

You said make it 72 VDC...

We've done that and kept the same price as
the original locomotive APU first introduced
over 15 years ago!

The **Banana** features a CAT/Perkins diesel
engine that is governed at 3,200 RPM.
The engine drives a 130 A, 72 VDC (11kW)
generator that heats the locomotive coolant
and lube oil, charges the batteries, and can
be used to power cab heaters, lights and air
conditioners, ensuring your crew's comfort.

The **Banana** takes green technology and
ripens it to perfection, incorporating
innovative new design and automation.
The **Banana** includes an advanced control
system complete with adjustable on/off
locomotive water temperature and battery
set points and **CAN** bus communication
enabled.

Everyone wins with a Banana!

You'll reduce excess idling, save money on
fuel and engine wear, meet EPA emissions
regulations and local noise ordinances, and
keep your crew comfortable – it's a win-win
for everyone.

THE BANANA LOCOMOTIVE APU

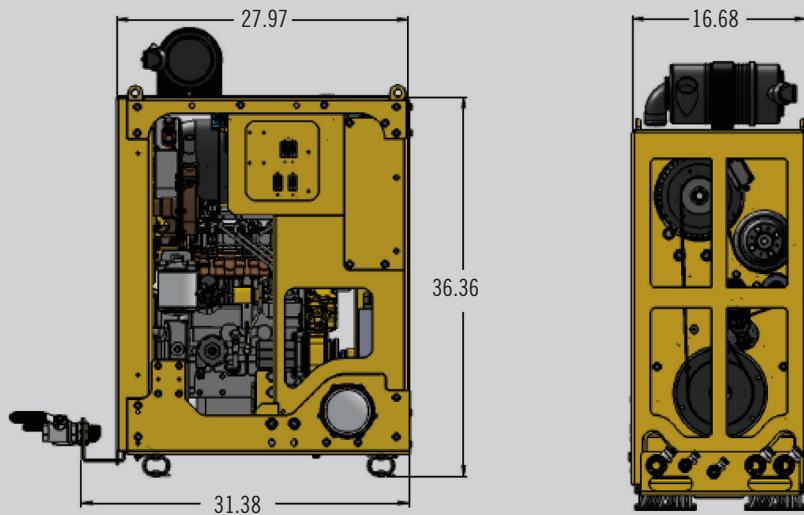
Saves fuel and engine life without sacrificing crew comfort

Specifications & Features:

Engine	Perkins 400 Series 3 Cylinder Diesel, 28 hp@3200 rpm; Tier 4; Low oil pressure and coolant over-temperature shutdown's
Lubrication System	6 gallon oil capacity with oil level maintainer and filter
Electrical System	130A, 72VDC generator for locomotive loads; 40A, 12VDC APU alternator for APU loads
Fuel System	12VDC electric fuel lift pump; filter
Cooling System	Glycol based APU cooling system; cooled via liquid to liquid heat exchanger with locomotive water
Locomotive Engine Water Heating System	12 kW via smart 72VDC heater; and waste heat recovery
Locomotive Engine Oil Heating System	4 gallon/min circulation via APU driven pump through liquid to liquid heat exchanger



Weight & Dimensions: Dry weight estimate = 690 lbs



PATENT PENDING

For more information contact:

Michelle Humann De Ruiter

Marketing

Email: mderuiter@inps.net

Tel: 1.519.455.7647 | 1.800.565.3509

Cell: 1.519.709.4137

