

ELECTRIC CART

FOR COLLECTORS OF RECYCLABLE MATERIALS

MAIN CHARACTERISTICS



The electric vehicle developed by Itaipu Binacional creates more humane working conditions for material recycling. It also enhances the contribution of the collectors towards a cleaner environment, while generating additional income.

- Electric drive composed of a 1 hp, 24 V direct current motor, two 150 A, 12 V batteries, PWM electronic controller, twist-handle accelerator and LED back lights;
- 300 kg load capacity;
- Minimum recharge autonomy of 30 km;
- Batteries recharge in up to 6 hours at a cost of US\$ 4,50 a month;
- Manual control by twist-handle accelerator (motorcycle type) on the steering rod;
- Platform with 1.90 m long, 0.95 m wide and 0.50 m high;
- Wire cage to hold the load;
- Tipping lateral doors to facilitate loading and unloading of collected material.