

12V Power Distribution Unit

The Ya Batho 12V Vehicle Power Distribution Unit (PDU) is a ruggedized electrical hub designed for vehicles and heavy-duty mobile equipment requiring reliable, fused 12V DC power distribution to multiple auxiliary systems. It provides centralized power management, clear labelling, and simplified serviceability for onboard systems such as fatigue monitoring, cameras, Wi-Fi access points, and telemetry equipment.



Key Features

- Centralized 12V DC power distribution with 10 fused outputs (10A each).
- Labeled output: Customizable to client specifications.
- Common positive, negative, solenoid, and park-brake bus bars.
- Solenoid-controlled switching and park-brake interlock options.
- Service-friendly fused outputs with transparent protective caps.
- 3-pin output connectors (1 – 10) and 4-pin input connectors.
- Durable enclosure is suitable for harsh mining and industrial environments.

Technical Specifications

Nominal Input Voltage	12V DC
Operating Range	9 – 16V DC
Output Circuits	10 x 10A Fused Outputs
Control Inputs	Ignition +, Park Brake, Isolator +/-
Connectors 1 - 8 (Deutsch)	3-Pin (Positive +, Solenoid +, Ground -)
Connectors 9 – 10 (Deutsch)	3-Pin (Positive +, Park Brake, Ground -)
Input Connector (Deutsch)	4 Pin (Isolator +/-, Ignition +, Park Brake)
Solenoid Drive	12V DC Coil via Solenoid Busbar
Enclosure	Aluminium Body, IP65 Rated
Operating Temperature	-20C° to +70C°
Dimensions	295mm x 235mm x 114mm
Weight	3.702 kg

Typical Applications

- Heavy-duty and mining vehicles
- Fleet and telematics systems
- Safety and monitoring systems
- Mobile communication hubs
- Auxiliary equipment power control

