

## Charging connectors LV

# Schaltbau connectors ensure safe and reliable charging of track mowers



DC is the fastest growing and most challenging technology. Schaltbau is one of the few direct-current experts worldwide with decades of expertise. That is why more and more customers are relying on the DC components from Schaltbau.

### Customer profile

- Application: Track Mower
- Industry: Machinery Manufacturing
- Country: Germany

### Customer case

- A manufacturer of track mowers was looking for a high power connector to charge the lithium-ion battery.
- High current carrying capacity and minimal contact heating were important requirements in order to optimize the current flow and increase the lifespan of the battery.
- The company wanted a connector, which is compact in size but has durable, robust housing components, which reliably withstand rough everyday use.

### Schaltbau solution

The customer relies on the Schaltbau LV80/120 connector because it has:

- High-quality, solid power contacts for a permanently high current carrying capacity
- Integrated locking against shock and vibration, strain relief and contact locking
- Up to 4 signal contacts for monitoring the charging process via CAN / Bus communication
- Mechanical durability > 5,000 cycles for multishift operations and daily charging
- Flammability and fire protection
- Temperature resistance from -30 °C up to +130 °C.



### High power charging connectors LV80/120 series:

Charging connector for reliable current-carrying capacity up to 160 amps. Version with handle and green coding pin.