DEUTZ PowerTree

Flexible High Power Charger for applications

- **SET UP:** Transport to your work location – set up and if needed connect to grid for longer operating time
- **PLUG-IN:** PowerTree provided high power charging
- **CHARGE:** Charge your applications whenever and wherever you want
## Technical details

<table>
<thead>
<tr>
<th>DEUTZ PowerTree</th>
<th>Version 1.5 - 126 kWh</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery type</td>
<td>Li-Ion (NMC)</td>
</tr>
<tr>
<td>Nominal voltage</td>
<td>352 V</td>
</tr>
<tr>
<td>Installed nominal capacity</td>
<td>126 kWh</td>
</tr>
<tr>
<td>DC Discharge power</td>
<td>150 kW @ 800 V, 75 kW @ 400 V</td>
</tr>
<tr>
<td>AC Discharge current (PowerTree output)</td>
<td>32 A @ 400 V + 16 A @ 230 V</td>
</tr>
<tr>
<td>AC Charge current (PowerTree input)</td>
<td>32 A + 63 A @ 400 V</td>
</tr>
<tr>
<td>Cooling</td>
<td>Cooling for components is equipped</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-30°C …+50°C</td>
</tr>
<tr>
<td>Fire detection system</td>
<td>Equipped</td>
</tr>
<tr>
<td>IP protective class</td>
<td>(&gt;IP64) IP65</td>
</tr>
<tr>
<td>Lifetime</td>
<td>10 years</td>
</tr>
<tr>
<td>(Full equivalent cycles during lifetime)</td>
<td>~2500</td>
</tr>
<tr>
<td>Interfaces</td>
<td>CEE (AC charging &amp; discharging), CCS2 (DC high power charging)</td>
</tr>
<tr>
<td>Dimensions (L x W x H)</td>
<td>3.000 x 2.500 x 2.600 mm³</td>
</tr>
<tr>
<td>Weight</td>
<td>&lt; 5.000 kg</td>
</tr>
</tbody>
</table>
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Interfaces

High power DC charger
1 x 150 kW @ 800 V
Optional: 2 x 75 kW @ 800 V

AC charging output
CEE: 16 A @ 230 V & 32 A @ 400 V

Charging input
CEE: 32 A or 63 A @ 400 V

Operator panel
Control & status display

DC charging output
CCS Type 2

Status
Lamp for status indication

Internal View

6 kW Inverter
Supply AC charging output

Control cabinet
Telemetry, operator panel, fuses

Cooling system
Active battery cooling

Ventilation

Three parallel connected HV-batteries
126 kWh for energy buffering

22 kW Inverter
Charging batteries or supply AC charging output
DEUTZ PowerTree - Digital Services

One more thing – a real benefit

PowerTree Digital Services

- App (IOS and Android) and PC-dashboard (Multilanguage)
- Complete professional charging management for fleet owner
- App available for end customer
- Special PowerTree RFID Card
- Real time data system