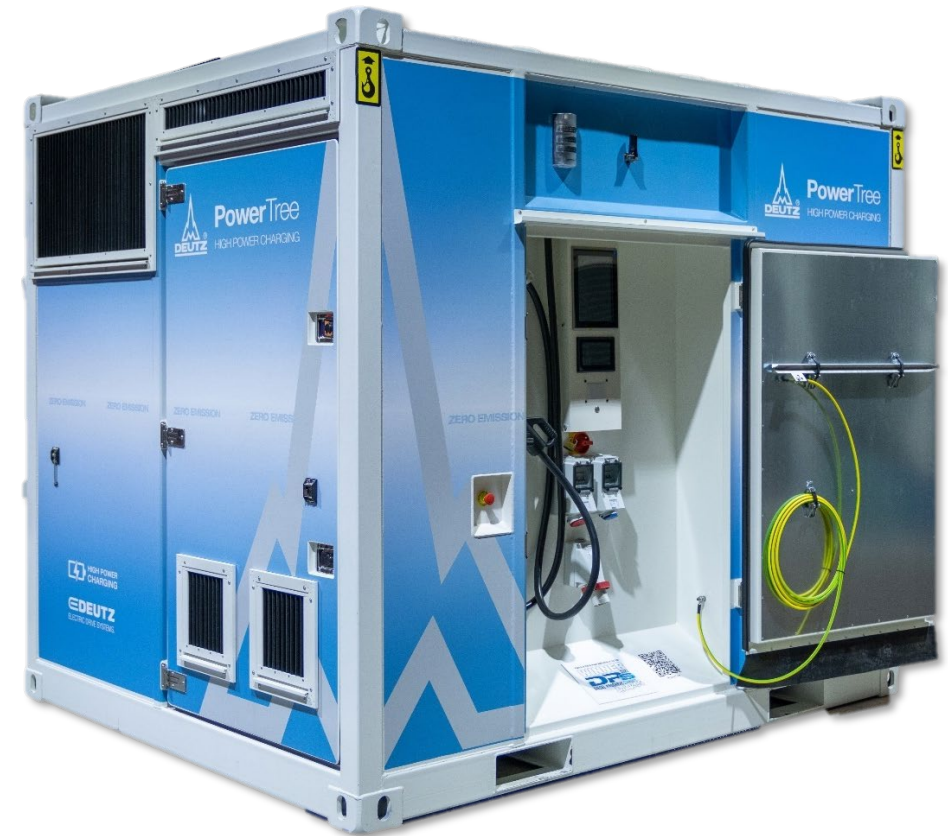


DEUTZ PowerTree



Mobile Plug & Play Fast Charger for Off-highway applications

- **SET UP:** transport to your work location – set up and if possible, connect to grid for longer operating time
- **PLUG-IN:** PowerTree converts saved energy and/or provided low available power into high power charging
- **CHARGE:** charge your applications whenever you want (the integrated HV-Batteries are charged)



www.intermat.deutz.com

Technical details

- **Evolution in design, optimized components, scalability available**

DEUTZ PowerTree	Version 1.5 - 126 kWh
Battery type	Li-Ion (NMC)
Nominal voltage	352 V
Installed nominal capacity	126 kWh
DC Discharge power	150 kW @ 800 V, 75 kW @ 400 V
AC Discharge current (PowerTree output)	32 A @ 400 V + 16 A @ 230 V
AC Charge current (PowerTree input)	32 A + 63 A @ 400 V
Cooling	Cooling for components is equipped
Operating temperature	-30°C ...+50°C
Fire detection system	Equipped
IP protective class	(>IP64) IP65
Lifetime (Full equivalent cycles during lifetime)	10 years ~2500
Interfaces	CEE (AC charging & discharging), CCS2 (DC high power charging)
Dimensions (L x W x H)	3.000 x 2.500 x 2.600 mm ³
Weight	< 5.000 kg

DEUTZ PowerTree

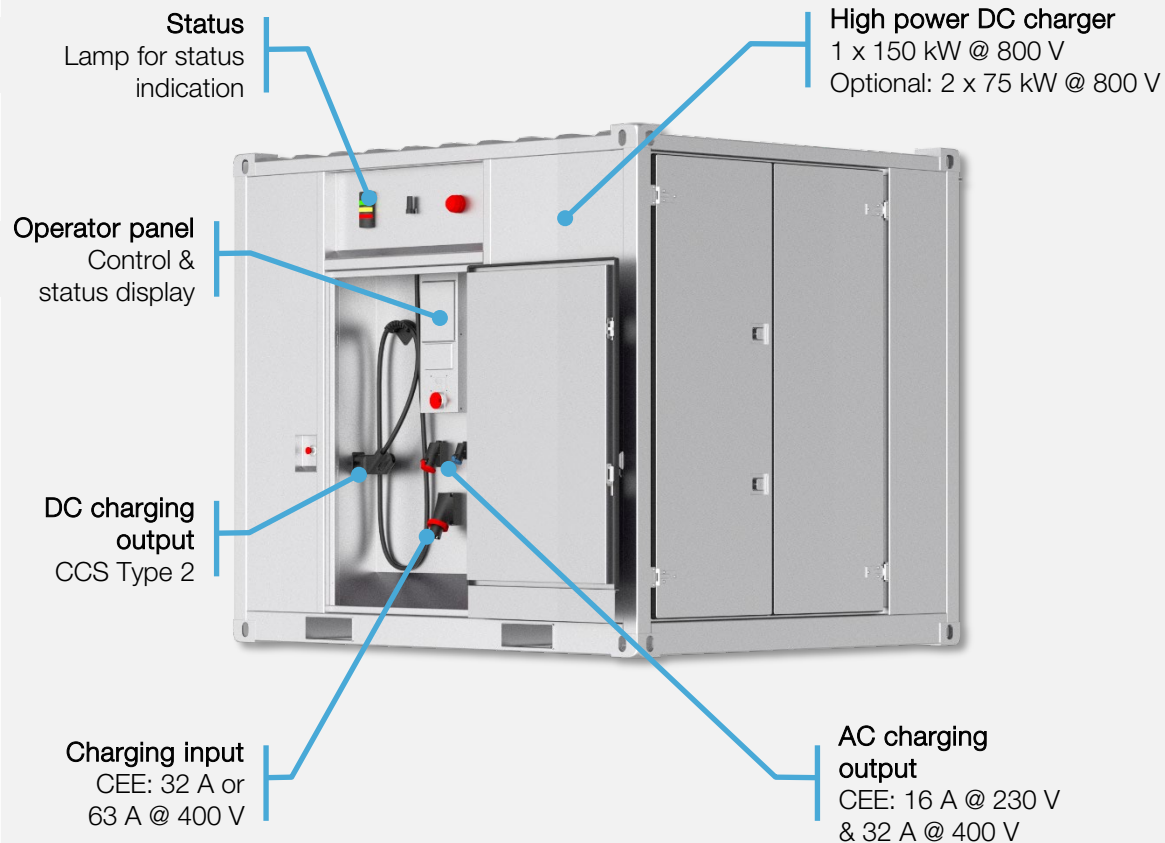


Key benefits

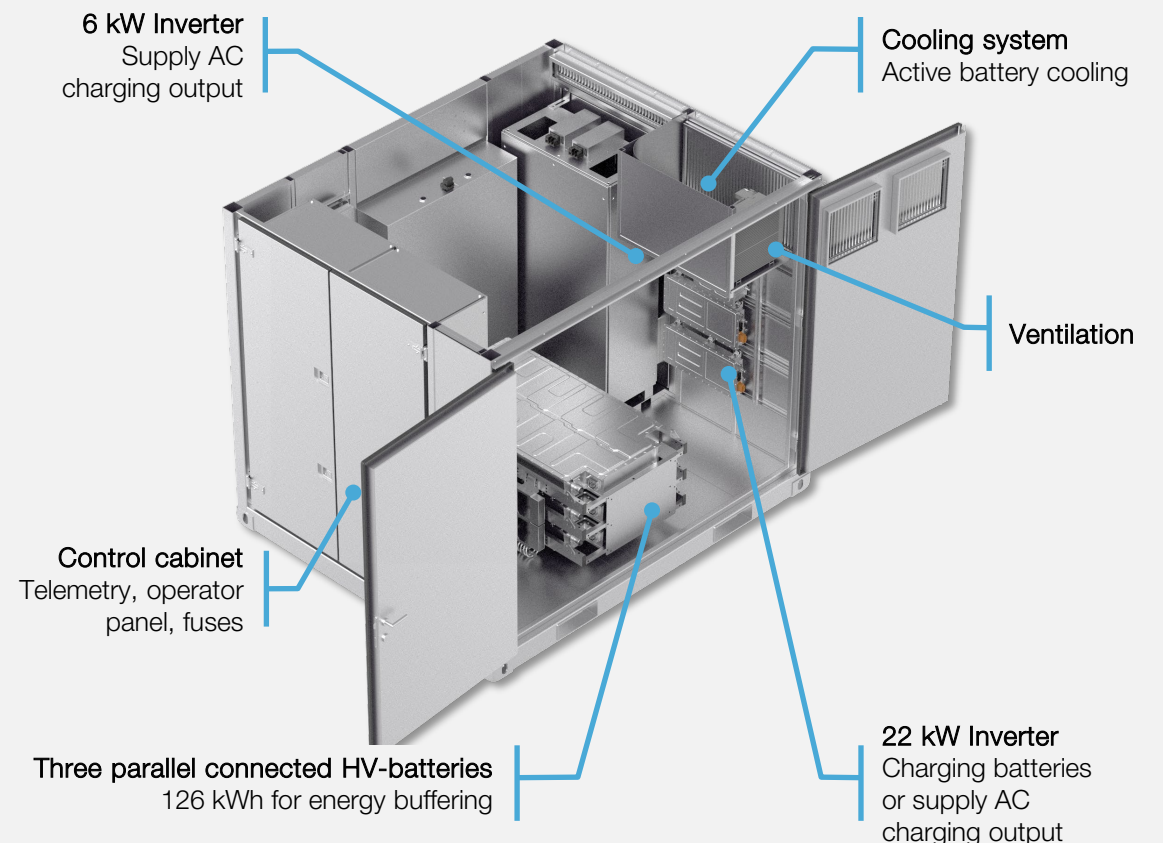


Interfaces

Interfaces



Internal View



DEUTZ PowerTree



How to recharge the PowerTree?

DEUTZ PowerTree	Version 1.0 - 126 kWh			
	Unit	Min	Nom	Max
Input voltage 3-phase	V	330	400/480	528
Input voltage 1-phase	V	190	230	264
Input current	A			32
Input frequency	Hz	47	50/60	63
Efficiency (3-phase)	%		95	



63 A @ 400 V (CEE)
is the same power connection as:



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

