



400 Hz-eGPU

400 Hz-eGPU

Faster, Longer, Smarter

Dabico 400Hz eGPU is a battery powered 400Hz / 90kva converter used to power parked aircrafts at;

- » Gate stands
- » Remote stands
- » Hangars



Charge faster, Last longer and Work smarter

Charge faster

from 1,30 hours

Last longer

up to 11 hours of operation resulting in 14 turnarounds for standard Code C Aircraft in single charge.

Work smarter

- » Connected (Wifi, 5G, integration in customer network and monitoring system)
- » Designed for easy operation and maintenance
- » Charging while Servicing an Aircraft
- » Operating temperature range of -30 to +56°C
- » Greater overall efficiency from mains to aircraft

CO₂ and NO_x emissions free + low noise

The emission-free 400Hz-eGPU will replace 400Hz diesel generators GPU and help airports become CO₂ and NO_x emission neutral and noise free.



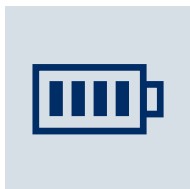
Human Health

CO₂ and NO_x emissions free at the point of use and virtually noise-free, therefore much better working environments for ground staff:

- » Reduced risk of heart and circulatory diseases
- » Reduced risk of pulmonary diseases
- » Reduced noise level overall at the airport



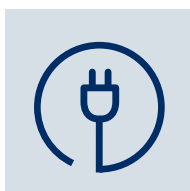
Charge faster



Longer battery life



Smarter connectivity



Complete charging solution

BUY OR SUBSCRIBE

Smarter e-GPU can be bought as an asset or can be subscribed.

Flexible Monthly Subscription can Include:

- » The e-GPU Unit
- » Yearly Maintenance
- » Dabiconnect

Subscribe today by messaging your Account Manager



Dabico 400Hz-eGPU saves costs and fossil energy

- » The 400Hz-eGPU saves significant cost of operation compared to a diesel-powered GPU
- » The 400Hz-eGPU saves fossil energy if powered by green electricity
- » Higher efficiency compared to Diesel GPU
 - Diesel GPU 40–42%
 - Dabico 400Hz-eGPU above 90%
- » Less maintenance compared to a Diesel GPU

Faster Charging & Longer Discharging

Discharging time depends on the load of the aircraft.

140kWh battery pack

- » Up to 9 turnarounds or 7 hours depends on the Aircraft Load for Code C Aircraft (A320/B737)

210kWh battery pack

- » Up to 14 turnarounds or 11 hours depends on the Aircraft Load for Code C Aircraft (A320/B737)

Faster Charging

140kWh battery pack with **400V** power supply

Charging current	Charging time (approx.)
16 A	13h
32 A	6h 30 min
63 A	3h 15min
125 A	1h 45min

210kWh battery pack with **400V** power supply

Charging current	Charging time (approx.)
16 A	19h 30min
32 A	9h 45min
63 A	5h
125 A	2h 30min

140kWh battery pack with **480V** power supply

Charging current	Charging time (approx.)
16 A	10h 45min
32 A	5h 20min
63 A	2h 45min
125 A	1h 30min

210kWh battery pack with **480V** power supply

Charging current	Charging time (approx.)
16 A	16h
32 A	8h
63 A	4h
125 A	2h

Key Data

- » **Input:** 400–480V +/-15%; 50–60Hz; 3Ph + E
- » **Output:** 200 / 115V; 400Hz; 90kVA
- » **Charging:** Possible with 16–125A (adjustable)
- » **Power rate:** 140–210kWh (depending on battery pack Type), Soon with 70kWh till 280kWh
- » **Operation temperature:** -30°C to 56°C with heating/cooling
- » **Signal/status lights:** Operation / Charging / Battery status
- » **Charging** the unit while **servicing an aircraft**
- » **NBPT** with auxiliary eGPU **possible**
- » **Forklift shoes** for loading / unloading
- » **Protection class:** IP55
- » **eGPU is equipped** with built-in charger, which could be programmed to select maximum available current at charging station.



50/60Hz
power supply

Key Benefits

- » CO₂ + NO_x emissions free
- » Virtually noise-free
- » Reduces the Environmental impact
- » Reduced risk of Human Health
- » Faster charging
- » Longer Discharging
- » Ease of operation
- » Ease of service
- » Less Operating cost and quick Return of Investment
- » Total Solution with Power Station Hub
- » Designed to operate wider ambient temperature



Benefits for Operators

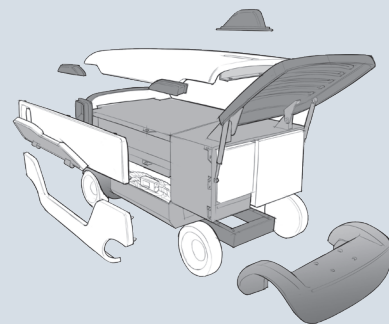
- » Mobile Unit – Powers the Aircraft wherever require
- » It's independent – highest flexibility of use and easy for operation
- » Charging the unit while servicing an aircraft
- » Status and Signal lights for easy identification of 400Hz-eGPU
- » Large flap/opening for 50/60Hz power supply & 400Hz Jetcable
- » It is possible to connect a backup eGPU in case the connected eGPU battery is close to depletion and do a NBPT (No-Break-Power-Transfer) without aircraft service interruption
- » User friendly HMI for easy operation
- » Additional protection for HMI with rain flap
- » Chargeable from any existing power supply infrastructure



Towbar to move the eGPU

Benefits for Service

- » Less maintenance compared to Diesel GPU
- » Designed for very robust / harsh environmental conditions.
- » Components are selected suitable for wider range of ambient conditions, which enables to operate in all global Airports.
- » All parts are easily changeable and maintenance friendly
- » Forklift shoes for easy loading / unloading



Connectivity; technical data of connectivity



- » MoDBUS protocol
- » Connectivity options:
 - Connect to any WiFi system
 - Connect to any cellular network (3G, 4G, 5G)
 - All WiFi gateways available
- » GPS positioning
- » Able to integrate with DABiConnect

Power Station Hub – A Total Charging Solution

Typical Power Distribution System

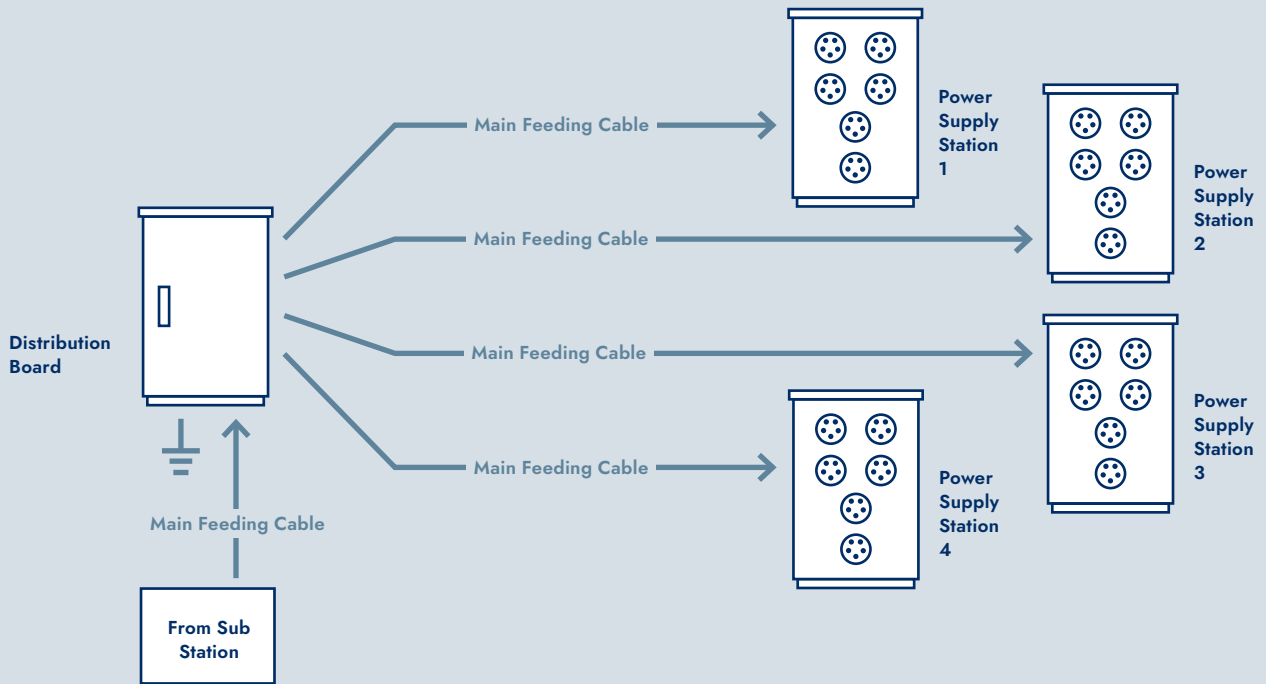
» **50 Hz Distribution Board**
320–550 V / 45–65 Hz

- Input 600 A
- 4x Output 125 A

» **Protection Class: IP 55**

» **Power supply stations 50 Hz**

- 2x CEE sockets 125 A/400 V
- 2x CEE Sockets 63 A/400 V
- 2x CEE Sockets 32 A/400 V
- 1x CEE Sockets 16 A/400 V
- 1x CEE Sockets 16 A/230 V



We are present in:

- | | | | |
|-------------|-------------|-------------------|----------|
| » Australia | » Germany | » The Netherlands | » Turkey |
| » China | » Hong Kong | » Singapore | » UAE |
| » Denmark | » India | » Spain | » UK |
| » France | » Italy | » Sweden | » USA |

