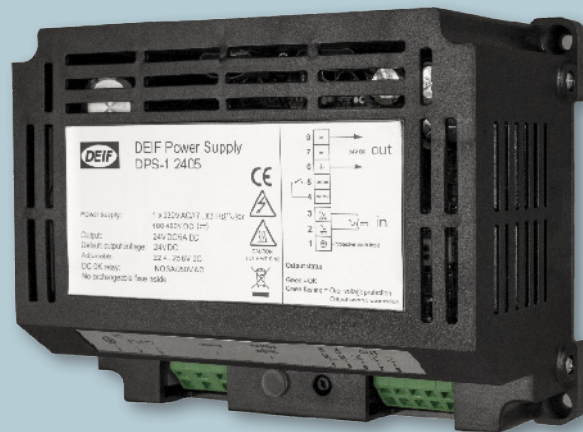




-power in control

WIND POWER TECHNOLOGY



DC Power Supply, DPS-1

Reliable DC power for critical control applications

DC Power Supply, DPS-1

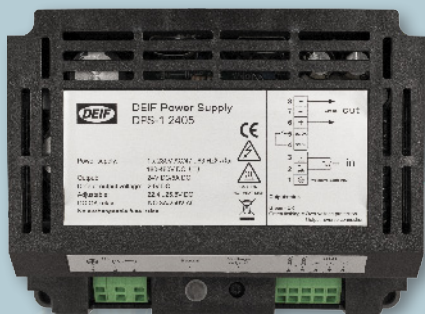
Reliable DC power for critical control applications

To ensure stable and reliable operation of a wind turbine, the power supply is critical. Most standard industry power supplies are not designed to cope with the real-life operation demands of a wind turbine – operation temperature span, mechanical robustness, tolerance towards ESD/EMC, etc. That is why DEIF Wind Power Technology has designed a series of rugged DC supplies to support the second-to-none reliability of our control systems.

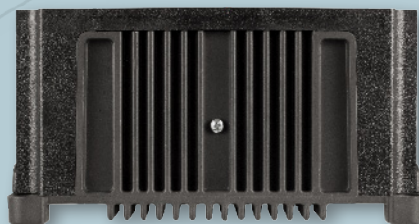
The power supplies feature compact and lightweight switchmode design and at the same time – similar to conventional transformer designs – they have no moving parts as they have been designed for convection cooling. Thus no maintenance-demanding fan is required.

The wide range DC-input option spanning from 180 to 480VDC enables direct connection to all common energy storages and makes the DPS-1 extraordinarily suitable for pitch applications.

The DPS-1 series of power supplies is designed for an operation temperature range of -40°C to $+70^{\circ}\text{C}$, supporting reliable start-up and operation regardless where in the world the wind turbine is operating.



Robust in every aspect. The flush-mounting possibility will keep the DPS-1 safe in place throughout years of operation – also in pitch-applications mounted in the rotating hub.



Long-life hassle-free operation – designed for convection cooling the DPS-1 has no maintenance-requiring fan.

Features

- Lightweight switch mode technology
- Suitable for all climate conditions
 - operation temperature range -40°C to $+70^{\circ}\text{C}$
- High reliability (MTBF $>60,000$ hours)
- Rugged construction – robust towards vibration, bump and shock
- Both AC and DC input
 - DC input 180-480 VDC
 - AC input 230 VAC
- 24V DC – 5/10 A output
- DC OK monitoring



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