



-power in control

WIND POWER TECHNOLOGY



Pitch Battery Charger, PBC-2

Maximizing reliability and lifetime of lead-acid battery-banks

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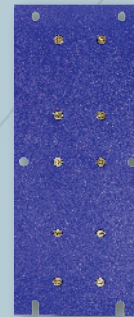
The PBC-2 is a robust switch-mode charger designed for maintaining the full-charge condition of a 288V (144 cell) battery bank (normally consisting of 24 12V batteries). The temperature compensation of the PBC-2 and its float charging characteristics ensure that the charging voltage is kept at a level optimum for trickle charging the batteries and at the same time maximizing their lifetime. Further contributing to maximizing the battery lifetime is the low ripple on the charger output.

Being based on a convection cooling principle the PBC-2 has no moving parts ensuring a hassle free long life operation of the charger. The charger has been designed for an operation temperature range of -25°C to +65°C making it applicable for operation in all environments.

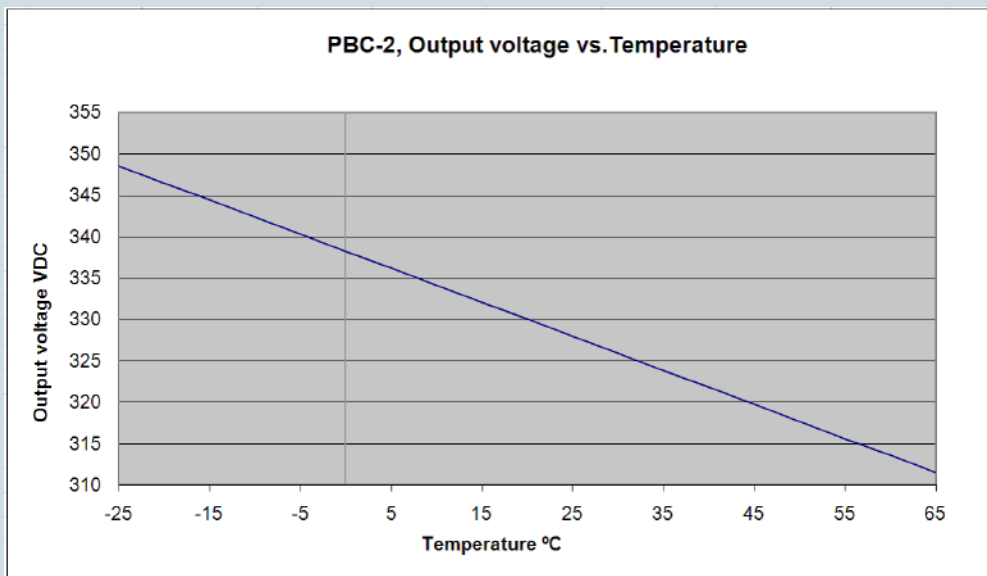
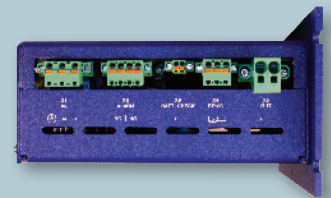
PBC-2 has a digital input for battery-test purpose just as the charger has an alarm relay output for low output voltage.

The charger is designed for base mounting which provides the mounting solution most robust towards bumps and shocks when the cabinets are transported to site and towards the mechanical stress in the rotating hub.

The electrical construction of the PBC-2 is designed to be resistant towards the severe EMC-stress that is often found in the hub of a wind turbine.



Base-mounting of the PBC-2 provide the most robust mounting method and is essential for stable operation in the rotating hub of the wind turbine.



The temperature compensation of the PBC-2 charger keep the charging voltage at the correct trickle charging level maximizing the lifetime of the battery bank.



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