

# UXR100030B

RoHS CE CB UK  

30kW@1000V ClassB ACDC Charging Power Module



## + Introduction

UXR100030B is a charging power module specifically engineered to address the challenges faced by the charging station industry, boasting prominent advantages such as an ultra-high full-load working temperature and an ultra-wide constant power range within the industry. Additionally, this module features high reliability, efficiency, power factor, and power density, along with a wide output voltage range, low noise, minimal standby power consumption, and excellent EMC performance.

## + Excellent advantages

Ultra-wide output voltage range of **100-1000<sub>Vdc</sub>**

Ultra-wide output voltage range, suitable for a wide range of EVs.

## Semi-independent air duct design

Higher protection for high-voltage components inside the module to improve adaptability and reliability.

Ultra-wide output voltage range, suitable for various electric vehicle charging scenarios, designed for ultra-fast chargers.

Ultra-wide output constant power range: **300<sub>V</sub>-1000<sub>V</sub>**

UXR100030B provides an output voltage range of 100-1000V, enabling constant power output of 30kW within the 300V~1000V range.

Electromagnetic compatibility meets **Class B**

Electromagnetic compatibility conforms to Class B exhibiting minimal electromagnetic radiation and robust resistance to interference.

Meets CE/UL certification requirements, complies with IEC-61851-21 standard for EMC Class B.

## + Key features

- Ultra wide output voltage range, 100~1000Vdc, suitable for different types of EVs;
- Ultra high output power within 300V~1000V output voltage range, 30KW constant power output;
- Full-power wide working temperature range, -40~55°C;
- Full-load working efficiency  $\geq 95.5\%$ , high efficiency in full working range, extra energy saving;
- Ultra low noise, improving user experience;
- No current retraction in low voltage range, faster charging rate;
- Built-in residual voltage releasing circuit, lower cost and higher reliability;
- Complies with CE/UL certification requirements, suitable for global applications;

