

# XYR1K0100UR

30kW Charging Modules

## APPLICATIONS

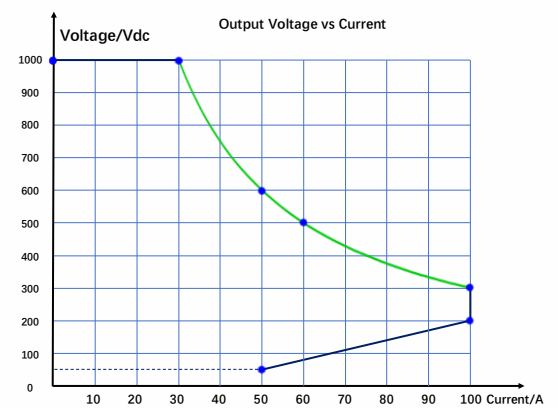
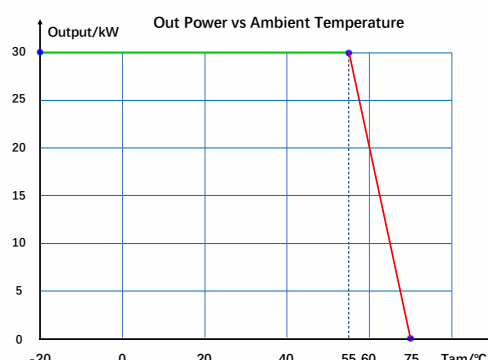
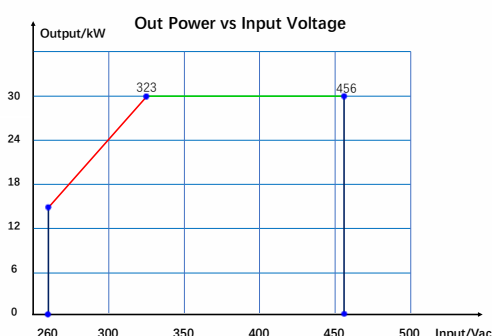
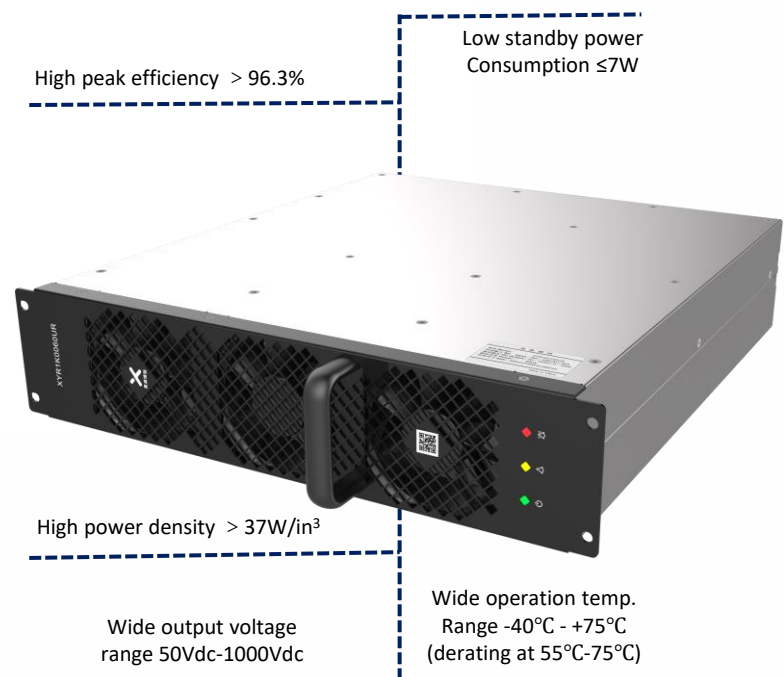
- ✓ Wallbox Chargers
- ✓ Stand Alone Chargers
- ✓ Group Charging Systems
- ✓ Swapping Stations

## PRODUCT INTRODUCTION

**XYR1K0100UR** The smart AC/DC charging module is designed for high power EV charging equipment, applied the world's latest power electronic control topology, with good performance and power density, achieves high efficiency, wide output voltage range to meet today and future EV charging requirement, wide operation temperature range makes it can be applied in hot weather, thorough gel filled technology ensures higher protection.

## KEY FEATURES

- ✓ Gel filled ensures stronger environmental suitability
- ✓ Dynamic protection algorithm provides better protection strategy and higher reliability
- ✓ Lower standby power consumption is as low as 7W
- ✓ 3 phase without neutral eliminates the risk of high neutral currents
- ✓ Built-in voltage discharge circuit



# **XYR1K0100UR SPECIFICATIONS**

|                                  |                          |   |
|----------------------------------|--------------------------|---|
| <b>Input</b>                     | Voltage Range            | 260-456Vac  |
|                                  | Wiring                   | Three Phase, 3W+PE  |
|                                  | Frequency                | 50/60Hz   |
|                                  | THDi                     | 3% max Under Nominal Power                                |
|                                  | Power Factor             | 0.99 min at Full Load                                     |
|                                  | Standby Power            | 7W max  |
| <b>Output</b>                    | Voltage Range            | 50-1000Vdc  |
|                                  | Nominal Power            | 30kW at 300-1000Vdc                                       |
|                                  | Max Current              | 100A  |
|                                  | Short Circuit Protection | Current limit when in output short circuit, auto recovery |
|                                  | Voltage Regulation       | Within +/- 0.5%   |
|                                  | Current Regulation       | Within +/- 1%   |
| <b>Communication &amp; Alarm</b> | Communication            | CAN   |
|                                  | Parallel Installation    | 60 Modules max.   |
|                                  | Module Address           | Support software setting and hardware setting             |
| <b>Environment</b>               | Operation Temp.          | -40°C~+75°C (derating from 55°C to 75°C)                  |
|                                  | Storage Temp.            | -40°C~+85°C   |
|                                  | Relative Humidity        | Under 98% RH, non-condensing                              |
|                                  | Altitude                 | Under 2000m with nominal power                            |
| <b>General Spec.</b>             | Dimension                | 350*395*84 (W*D*H, mm, w/o handle)                        |
|                                  | Weight                   | Under 16kg  |
|                                  | IP Protection            | IP20  |
|                                  | Cooling                  | Force Air   |
|                                  | Noise                    | Under 65dB at full load @ 25°C                            |

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Disclaimer: The specifications of this catalog is for reference only, the performance of the products may vary from different application scenarios and environment. Product specification is subject to change without prior notice.