

# X40133Q1E

40kW Charging Modules

## APPLICATIONS

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

## PRODUCT INTRODUCTION

**X40133Q1E** 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
- ✓ 3 phase without neutral eliminates the risk of high neutral currents
- ✓ Built-in voltage discharge circuit
- ✓ Low noise to 58dB @25°C under nominal power

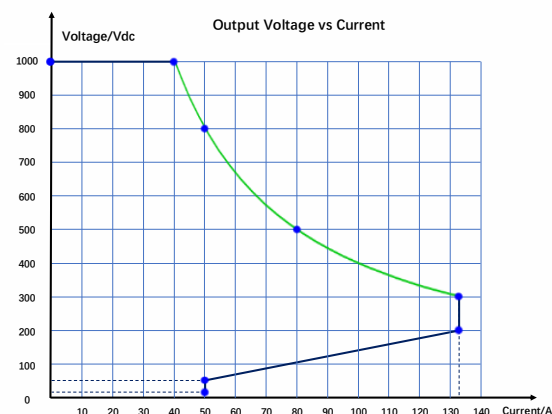
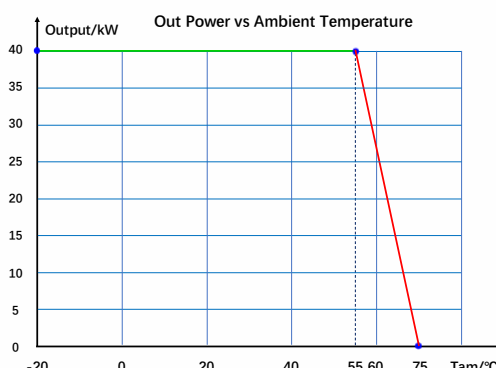
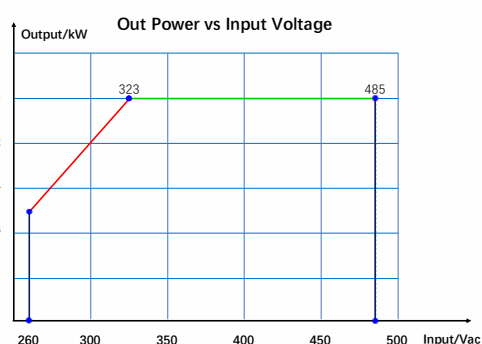
High peak efficiency > 97.2%



High power density 60W/in<sup>3</sup>

Wide output voltage range 50Vdc-1000Vdc

Wide operation temp. Range -40°C - +75°C (derating at 55°C-75°C)



# X40133Q1 SPECIFICATIONS

Input	Voltage Range	260-485Vac, derates 50% from 323Vac to 260Vac
	Current Range	80A max
	Wiring	three phase, 3W+PE
	Frequency	50/60Hz +/- 5Hz
	THDi	< 3% under nominal power
	Power Factor	> 0.99 @50~100% load
	Standby Power	< 12W
Output	Voltage Range	50-1000Vdc
	Nominal Power	40kW @300-1000Vdc
	Max Current	133.3A
	Short Circuit Protection	current limit when in output short circuit, auto recovery
	Voltage Regulation	within +/- 0.5%
	Current Regulation	within +/- 1%
Communication & Alarm	Communication	CAN Bus
	Parallel Installation	60 modules max.
	Module Address	support software setting and hardware setting
Environment	Operation Temp.	-40°C~+75°C (derating from 55°C to 75°C)
	Storage Temp.	-40°C~+85°C
	Relative Humidity	under 95% RH, non-condensing
	Altitude	under 2000m, derates above 2000m
General Spec.	Dimension	300*437*84(W*D*H, mm, w/o handle)
	Weight	< 20kg
	IP Protection	IP20
	Cooling	Force Air
	Noise	low to 58dB at full load @25°C
	Package	1pcs/carton; 28pcs/pallet or customized

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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.