

# Microgrid Power Solution

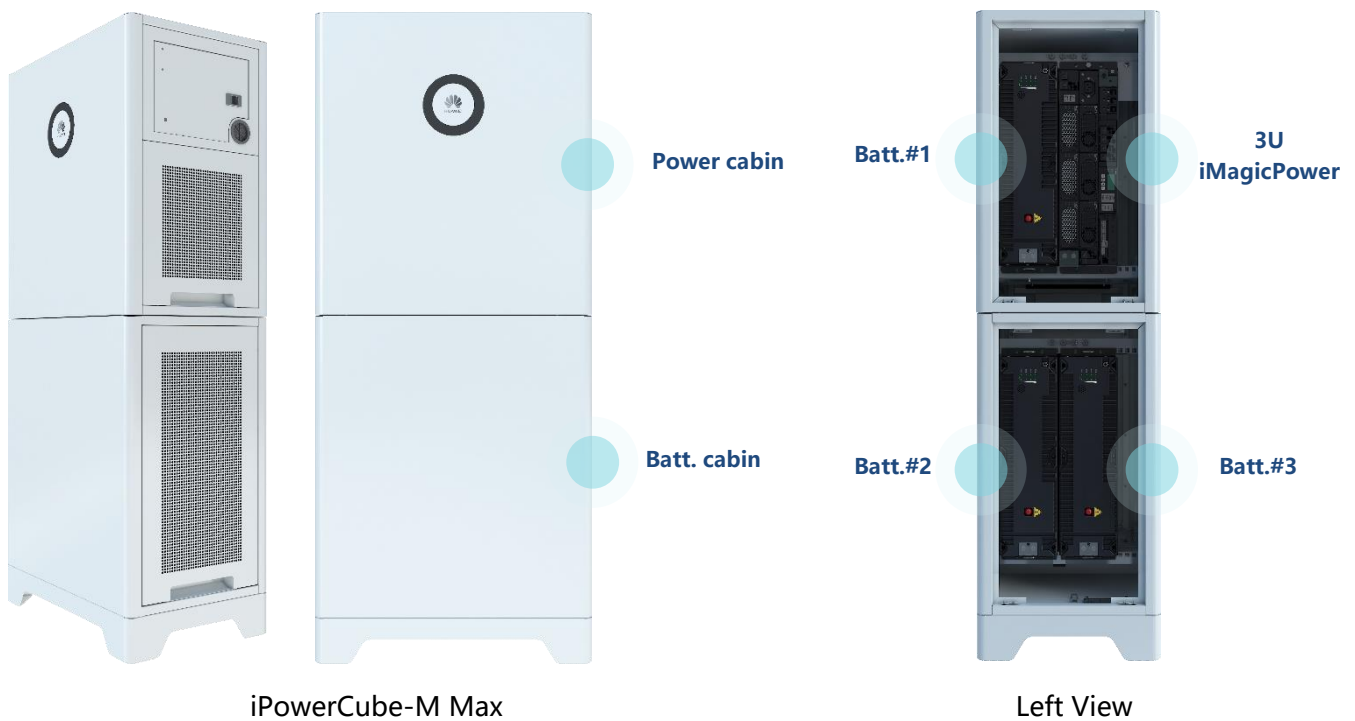
## iPowerCube-M Max



### Introduction

iPowerCube-M integrates power supply, backup power, and management. It is widely used in off-grid and unreliable grid areas and provides reliable and stable backup power for homes, stores, and emergency scenarios.

iPowerCube-M features a high-density design, small size, light weight, and IP21 protection level. It can be installed indoors.



### Application

- Indoor scenario, floor-mounted
- Off-grid and unreliable grid areas, civil and commercial backup power

## Specifications

<b>Basic parameters</b>	Dimensions (W x H x D)	Power compartment: 600mm x 750mm x 400mm Battery compartment: 600mm x 650mm x 400mm
	Weight	<ul style="list-style-type: none"> <li>• 50kg per power cabin (Battery not included)</li> <li>• 25kg per battery cabin (Battery not included)</li> </ul>
	Cooling mode	Natural heat dissipation
	Cabinet materials	Housing: steel
	Cabinet Color	Bright Gray
	Installation Mode	Indoor
	Protection level	IP21
<b>AC input</b>	AC Mode	Single-phase/dual-wire: 85 - 290 Vac
	Input power	Single-phase/dual-wire, 42A
	Input frequency	45Hz - 66Hz, default 50/60 Hz
<b>PV input</b>	Input voltage	58-150 V DC
	Input power	8kW max.
<b>AC output</b>	Output voltage	Single-phase 200–230 Vac
	Output power	9kVA
<b>Battery Parameter</b>	Battery capacity	4.8kWh per battery
	Charging power	4.8kW max.
	Maximum parallel capacity	A maximum of three battery modules can be connected in parallel, 14.4 kWh.
<b>Ambience Parameter</b>	Operating temperature	-20°C - +45°C
	Storage temperature	-40°C - +70°C
	Relative humidity	5% to 95% (non-condensing)
	Altitude	0–5000 m (2000–5000 m, 1°C lower for each additional 200 m)

Copyright © Huawei Technologies Co., Ltd. 2021. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

### General Disclaimer

The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.

**HUAWEI TECHNOLOGIES CO., LTD.**

Huawei Industrial Base

Bantian Longgang

Shenzhen 518129, P.R. China

Tel: +86-755-28780808

[www.huawei.com](http://www.huawei.com)