



Beny High Efficiency Power Module

40kW



Datasheet

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Product Overview

The BYU-1040A charging module adopts the world's leading power technology and processes, specifically designed as a power conversion device for charging the entire electric vehicle.It features an extremely wide constant power output voltage range, with features such as active power factor correction, high efficiency, high reliability, intelligent control, and an attractive design. The module adopts an intelligent air-cooling method, featuring high power density, small footprint, and includes hot-swapping and battery reverse charging protection functions.



Product Advantages

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High Efficiency
- 
High Reliability
- 
Wide Voltage
- 
Intelligent Air-cooling
- 
Intelligentize
- 
Full Protection

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Model Selection

Wall-mounted DC EV Charger	BYU-1040B
	
Input Parameter	
Input Voltage	260VAC~530VAC
Input Frequency	55±10Hz
Input Current	<80A
THD	≤5%
Power Factor	Rated output load PF ≥ 0.99
EMC Rating	Class A
Output Parameter	
Rated Output	1000V/40A
Rated Power	40kW
Output voltage range	150V~1000V
Output current range	0~133.3A
Voltage stabilized accuracy	≤±0.5%
Efficiency	Highest efficiency>96%, rated efficiency>95%
Communication	CAN
Operating Environment	
Operating temperature	-40℃~70℃,derates from 55℃
Storage temperature	-40℃~85℃
Humidity	≤95% RH, without condensation
Atmospheric pressure/ Altitude	79kPa~106kPa/2000m
Physical Characteristics	
Acoustic Noise	<65dB
Dimension	300*437.5*84(L*W*H mm)
Weight	≤16kg