



Beny Ultra High Efficiency Power Module

40kW



Datasheet

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Product Overview

BYU-1040S adopts the world's leading power technology specially designed for the power conversion equipment of EV charging, with an ultra wide constant power output voltage range. It has the characteristics of active power factor correction, high efficiency, high reliability, intelligent control and attractive appearance; The module adopts intelligent air-cooled heat dissipation technique, with high power density and small space occupation; It has the functions of hot plug and battery back filling protection.



Product Advantages

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

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Model Selection

Wall-mounted DC EV Charger	BYU-1040S
	
Input Parameter	
Input Voltage	260VAC~530VAC
Input Frequency	55±10Hz
Input Current	<80A
THD	≤5%
Power Factor	Rated output load PF ≥ 0.99
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	Peak efficiency>97%,Rated efficiency>96%
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