SER100040K3B
40kW POWER MODULE

2022.09

2022.09

Product Profile

SER100040K3B module adopts three-level LLC technology, which has the advantages: high efficiency 97%, environment adaptability -40°C-75°C, high power density, high reliability, module DC output voltage range is 50-1000Vdc, rated output power is 40 kW. The range of constant power output is 300-1000Vdc.

Highlights

50-1000V
Output voltage range

300-1000V
Constant power output range

133A
Maximum output current

-40°C~75°C
Environment adaptability

≥97%
High efficiency

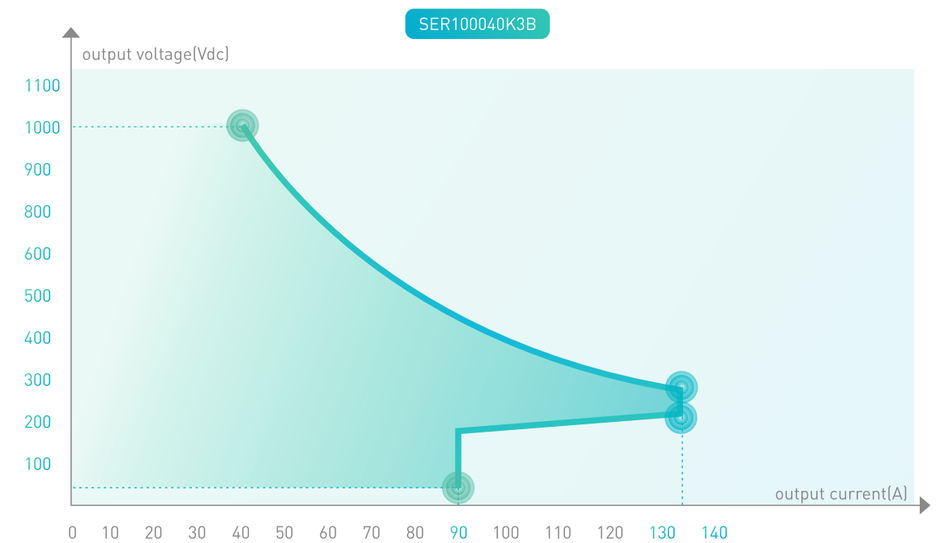
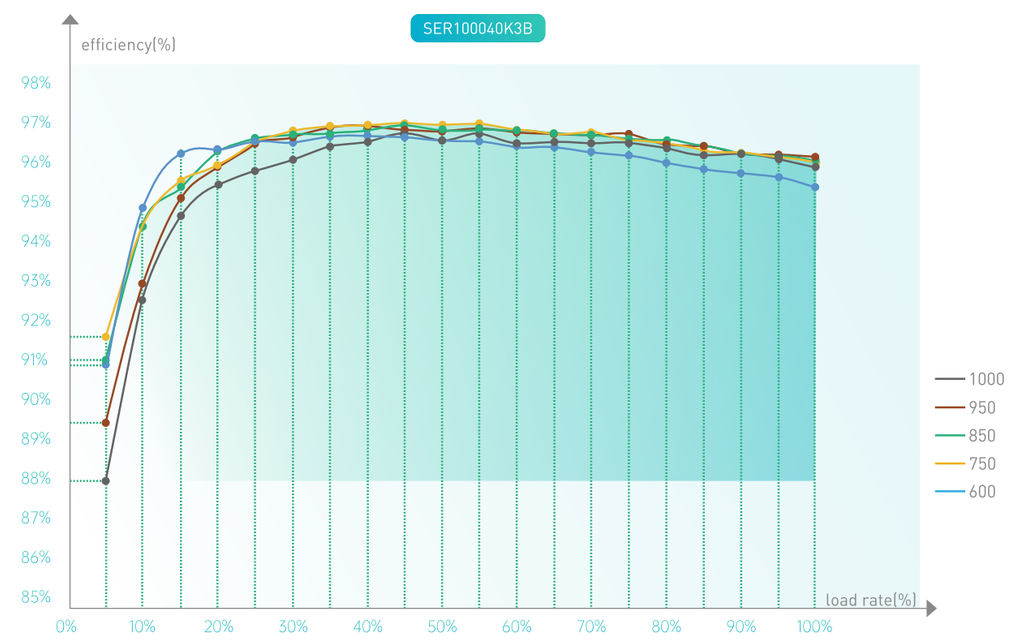
THDi ≤5%, PF up to 0.99
Perfect power quality

Specifications

	Model	SER100040K3B
Basic indicators	Equipment dimensions	459mm*360mm*85mm
	Weight of equipment	≤20 kg
	Heat dissipation mode	Forced air cooling
	Communications	CAN
Input characteristics	Input voltage	285~525Vac
	Voltage system	three-phase four-wire system
	Input current	≤80A
	Input frequency	45-65 Hz
	Power factor	≥0.99
	Harmonic current	THDi<5%
Output characteristics	Maximum output power	40kW
	Output voltage	50-1000Vdc
	Output constant power range	300-1000 Vdc
	Maximum output current	133A
	Peak efficiency	97%
Environmental indicators	Altitude	≤2000m
	Working temperature	-40°C-75°C, above 55°C derating
	Working humidity	0-95%

Output Curve

01
Output feature
output current/output voltage



02
Efficiency