

Energy Storage Converter

Input-DC

Max. DC voltage	1500 Vdc
Startup voltage	1000 Vdc
Max. input current	224.5 A
Full-lode voltage range	1000~1500 Vdc

Onput-AC(on-grid)

AC output power	220kVA@35°C, 200kVA@45°C
Rated output voltage	690Vac, 3W+PE
AC voltage range	607~759Vac(adjustable)
Rated frequency	50/60 Hz
Rated (Max.) output current	167.4A(184.1A)
Power factor	-1~+1
THDi	<1.5%(100% load)

Onput-AC(off-grid)

Rated output voltage	690Vac, 3W+PE
AC voltage range	607~759Vac(adjustable)
Rated frequency	50/60 Hz
AC voltage distortion	<1.5%(100% linear load)
DC voltage component	<0.5% Un(linear balance load)
Unbalanced load capacity	100%

General Data

Max. efficiency	99%
European efficiency	98.5%
Isolation mode	transformerless
Protection degree	IP66
Operating temperature range	-40°C~+60°C(>45°C derating)
Relative humidity	0~100%, non-condensing
Cooling	smart air cooling
Relative humidity	4000m(>3000m derating)
Communication interfaces	RS485/ CAN/ Ethernet
Dimensions(W×D×H)	810×275×845mm
Weight	98 kg

Certification	GB/T 34120-2017
	GB/T 34133-2017
	IEC 62477-1
	IEC 61000-6-2
	IEC 61000-6-4
	EN 50549-1
	EN 50549-2

Features

- Charge/discharge each cluster independently
- Fast plug and play, easy expansion
- C5M anti-corrosion grade
- Parallel in AC side (maximum 40 sets)
- Grid-forming/black start capability
- Safe and reliable
- Modular design philosophy
- No need advanced technical service personnel
- Horizontal and vertical mounting thermal design
- Higher battery capacity utilization

