Non-Isolated DC-DC Boost Converter

--Quality components, CE/RoHS certification specification design

--Full load aging test, full power, excellent performance, stable output

--Imported high-quality thermally conductive silicone potting,waterproof, dustproof, shockproof

--Cast aluminum shell, high efficiency heat dissipation, small size, simple installation

--Built-in over-current, low voltage, over-temperature and other protection functions

--Wide voltage input, up to 93% ~ 98% efficient conversion

--12 months warranty service

Selection Rule

SC200	–	00 12	V	24	15
Non-isolated type	–	Input voltage12V	V	Output voltage 24V	Output current 15A

Voltage decimal points are marked with S

Specification Parameter

5Vto12V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0005V1201	5Vto12V	5~11V	5V	12V	1A	12W
SC200-0005V1202	5Vto12V	5~11V	5V	12V	2A	24W
SC200-0005V1203	5Vto12V	5~11V	5V	12V	3A	36W
SC200-0005V1204	5Vto12V	5~11V	5V	12V	4A	48W
SC200-0005V1205	5Vto12V	5~11V	5V	12V	5A	60W
SC200-0005V1208	5Vto12V	5~11V	5V	12V	8A	96W
SC200-0005V1210	5Vto12V	5~11V	5V	12V	10A	120W
SC200-0005V1215	5Vto12V	5~11V	5V	12V	15A	180W
SC200-0005V1220	5Vto12V	5~11V	5V	12V	20A	240W

12Vto13.8V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0012V13S801	12Vto13.8V	9~13V	12V	13.8V	1A	13.8W
SC200-0012V13S803	12Vto13.8V	9~13V	12V	13.8V	3A	41.4W
SC200-0012V13S805	12Vto13.8V	9~13V	12V	13.8V	5A	69W
SC200-0012V13S808	12Vto13.8V	9~13V	12V	13.8V	8A	110.4W
SC200-0012V13S810	12Vto13.8V	9~13V	12V	13.8V	10A	138W
SC200-0012V13S815	12Vto13.8V	9~13V	12V	13.8V	15A	207W
SC200-0012V13S820	12Vto13.8V	9~13V	12V	13.8V	20A	276W
SC200-0012V13S825	12Vto13.8V	9~13V	12V	13.8V	25A	345W

12Vto15V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0012V1501	12Vto15V	9~14V	12V	15V	1A	15W
SC200-0012V1503	12Vto15V	9~14V	12V	15V	3A	45W
SC200-0012V1505	12Vto15V	9~14V	12V	15V	5A	75W
SC200-0012V1508	12Vto15V	9~14V	12V	15V	8A	120W
SC200-0012V1510	12Vto15V	9~14V	12V	15V	10A	150W
SC200-0012V1515	12Vto15V	9~14V	12V	15V	15A	225W
SC200-0012V1520	12Vto15V	9~14V	12V	15V	20A	300W
SC200-0012V1522	12Vto15V	9~14V	12V	15V	22A	330W
SC200-0012V1525	12Vto15V	9~14V	12V	15V	25A	375W

12Vto19V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0012V1901	12Vto19V	9~18V	12V	19V	1A	19W
SC200-0012V1903	12Vto19V	9~18V	12V	19V	3A	57W
SC200-0012V1905	12Vto19V	9~18V	12V	19V	5A	95W
SC200-0012V1908	12Vto19V	9~18V	12V	19V	8A	152W
SC200-0012V1910	12Vto19V	9~18V	12V	19V	10A	190W
SC200-0012V1915	12Vto19V	9~18V	12V	19V	15A	285W
SC200-0012V1918	12Vto19V	9~18V	12V	19V	18A	342W
SC200-0012V1920	12Vto19V	9~18V	12V	19V	20A	380W
SC200-0012V1925	12Vto19V	9~18V	12V	19V	25A	475W

12Vto24V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0012V2401	12Vto24V	9~23V	12V	24V	1A	24W
SC200-0012V2403	12Vto24V	9~23V	12V	24V	3A	72W
SC200-0012V2404	12Vto24V	9~23V	12V	24V	4A	96W
SC200-0012V2405	12Vto24V	9~23V	12V	24V	5A	120W
SC200-0012V2408	12Vto24V	9~23V	12V	24V	8A	192W
SC200-0012V2410	12Vto24V	9~23V	12V	24V	10A	240W
SC200-0012V2415	12Vto24V	9~23V	12V	24V	15A	360W
SC200-0012V2418	12Vto24V	9~23V	12V	24V	18A	432W
SC200-0012V2420	12Vto24V	9~23V	12V	24V	20A	480W
SC200-0012V2425	12Vto24V	9~23V	12V	24V	25A	600W
SC200-0012V2430	12Vto24V	9~23V	12V	24V	30A	720W
SC200-0012V2440	12Vto24V	9~23V	12V	24V	40A	960W
SC200-0012V2450	12Vto24V	9~23V	12V	24V	50A	1200W

12Vto27V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0012V2701	12Vto27V	9~26V	12V	27V	1A	27W
SC200-0012V2703	12Vto27V	9~26V	12V	27V	3A	81W
SC200-0012V2705	12Vto27V	9~26V	12V	27V	5A	135W
SC200-0012V2708	12Vto27V	9~26V	12V	27V	8A	216W
SC200-0012V2710	12Vto27V	9~26V	12V	27V	10A	270W
SC200-0012V2715	12Vto27V	9~26V	12V	27V	15A	405W
SC200-0012V2720	12Vto27V	9~26V	12V	27V	20A	540W

12Vto28V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0012V2801	12Vto28V	9~26V	12V	28V	1A	29W
SC200-0012V2803	12Vto28V	9~26V	12V	28V	3A	87W
SC200-0012V2805	12Vto28V	9~26V	12V	28V	5A	145W
SC200-0012V2808	12Vto28V	9~26V	12V	28V	8A	232W
SC200-0012V2810	12Vto28V	9~26V	12V	28V	10A	290W
SC200-0012V2815	12Vto28V	9~26V	12V	28V	15A	435W
SC200-0012V2820	12Vto28V	9~26V	12V	28V	20A	580W
SC200-0012V2830	12Vto28V	9~26V	12V	28V	30A	870W
SC200-0012V2840	12Vto28V	9~26V	12V	28V	40A	1160W

12Vto36V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0012V3601	12Vto36V	9~26V	12V	36V	1A	36W
SC200-0012V3602	12Vto36V	9~26V	12V	36V	2A	72W
SC200-0012V3603	12Vto36V	9~26V	12V	36V	3A	108W
SC200-0012V3605	12Vto36V	9~26V	12V	36V	5A	180W
SC200-0012V3608	12Vto36V	9~26V	12V	36V	8A	288W
SC200-0012V3610	12Vto36V	9~26V	12V	36V	10A	360W
SC200-0012V3615	12Vto36V	9~26V	12V	36V	15A	540W
SC200-0012V3620	12Vto36V	9~26V	12V	36V	20A	720W
SC200-0012V3630	12Vto36V	9~26V	12V	36V	30A	1080W

12Vto48V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0012V4801	12Vto48V	10~18V	12V	48V	1A	48W
SC200-0012V4802	12Vto48V	10~18V	12V	48V	2A	96W
SC200-0012V4803	12Vto48V	10~18V	12V	48V	3A	144W
SC200-0012V4805	12Vto48V	10~18V	12V	48V	5A	240W
SC200-0012V4808	12Vto48V	10~18V	12V	48V	8A	384W
SC200-0012V4810	12Vto48V	10~18V	12V	48V	10A	480W
SC200-0012V4815	12Vto48V	10~18V	12V	48V	15A	720W
SC200-0012V4820	12Vto48V	10~18V	12V	48V	20A	960W

24Vto48V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0024V4801	24Vto48V	18~32V	24V	48V	1A	48W
SC200-0024V4803	24Vto48V	18~32V	24V	48V	3A	144W
SC200-0024V4805	24Vto48V	18~32V	24V	48V	5A	240W
SC200-0024V4808	24Vto48V	18~32V	24V	48V	8A	384W
SC200-0024V4810	24Vto48V	18~32V	24V	48V	10A	480W
SC200-0024V4815	24Vto48V	18~32V	24V	48V	15A	720W
SC200-0024V4820	24Vto48V	18~32V	24V	48V	20A	960W
SC200-0024V4830	24Vto48V	18~32V	24V	48V	30A	1440W
SC200-0024V4840	24Vto48V	18~32V	24V	48V	40A	1920W

36Vto48V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0036V4801	36Vto48V	25~45V	36V	48V	1A	48W
SC200-0036V4802	36Vto48V	25~45V	36V	48V	2A	96W
SC200-0036V4803	36Vto48V	25~45V	36V	48V	3A	144W
SC200-0036V4805	36Vto48V	25~45V	36V	48V	5A	240W
SC200-0036V4807	36Vto48V	25~45V	36V	48V	7A	336W
SC200-0036V4808	36Vto48V	25~45V	36V	48V	8A	384W

Type: Non-isolated boost
Efficiency: >93% Protection function: over current, over voltage, over temperature protection
Installation cable length: 1 to 20A 14cm, 25 to 50A copper bar terminals
Waterproof level: IP67/IP68
Size Weight: 1~3A (rubber shell 58*40.5*22mm) 100g,
3~12A (cast aluminum 74*74*32mm) 260g,15~20A (cast aluminum 118*87*40mm) 370g,
25~30A(aluminum 150*127*63mm) 1.6kg,40A(aluminum 220*127*63mm)2.3kg,
50A (Aluminum 300*127*63mm) 3.2kg
(size for reference only, contact business for details)

Notes

1. DC-DC converter is prohibited to be used for battery/cell chargin
2. This product is a constant voltage module, prohibited for constant current load
3. It is prohibited to connect the outputs of the same converter in parallel or series, otherwise the product will be damaged.
4. used for load inductive devices (motor audio, etc.), be sure to purchase the converter power greater than the load power of more than 3 to times.
5. such converter input positive and negative poles are strictly prohibited to reverse, before wiring, please be sure to measure the positive a negative poles of the wiring and then connected to the power supply.
6. It is recommended to work for a long time in the rated power below 80% of the best, if the long-term full-load work, it is easy to cause t converter to heat up seriously and lead to burn out.
7. In order to ensure the safe operation of the customer's load, to prevent short-circuit burn equipment need to add a fuse to prevent curre backflow and anti-reverse connection should be added to the diode.