Non-Isolated DC-DC Buck 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

6-20Vto12V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0620V1203	6~20Vto12V	6~20V	6~20V DC	12V	3A	36W
SC200-0620V1205	6~20Vto12V	6~20V	6~20V DC	12V	5A	60W
SC200-0620V1206	6~20Vto12V	6~20V	6~20V DC	12V	6A	72W
SC200-0620V1208	6~20Vto12V	6~20V	6~20V DC	12V	8A	96W
SC200-0620V1210	6~20Vto12V	6~20V	6~20V DC	12V	10A	120W
SC200-0620V1212	6~20Vto12V	6~20V	6~20V DC	12V	12A	144W
SC200-0620V1215	6~20Vto12V	6~20V	6~20V DC	12V	15A	180W
SC200-0620V1220	6~20Vto12V	6~20V	6~20V DC	12V	20A	240W
SC200-0620V1225	6~20Vto12V	6~20V	6~20V DC	12V	25A	300W

9-20Vto12V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0920V1203	9~20Vto12V	9~20V	9~20V	12V	3A	36W
SC200-0920V1205	9~20Vto12V	9~20V	9~20V	12V	5A	60W
SC200-0920V1206	9~20Vto12V	9~20V	9~20V	12V	6A	72W
SC200-0920V1208	9~20Vto12V	9~20V	9~20V	12V	8A	96W
SC200-0920V1210	9~20Vto12V	9~20V	9~20V	12V	10A	120W
SC200-0920V1212	9~20Vto12V	9~20V	9~20V	12V	12A	144W

9-36V转12V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0936V1201	9~36Vto12V	9~36V DC	9~36V DC	12V	1A	12W
SC200-0936V1202	9~36Vto12V	9~36V DC	9~36V DC	12V	2A	24W
SC200-0936V1203	9~36Vto12V	9~36V DC	9~36V DC	12V	3A	36W
SC200-0936V1205	9~36Vto12V	9~36V DC	9~36V DC	12V	5A	60W
SC200-0936V1208	9~36Vto12V	9~36V DC	9~36V DC	12V	8A	96W
SC200-0936V1210	9~36Vto12V	9~36V DC	9~36V DC	12V	10A	120W
SC200-0936V1215	9~36Vto12V	9~36V DC	9~36V DC	12V	15A	180W
SC200-0936V1220	9~36Vto12V	9~36V DC	9~36V DC	12V	20A	240W
SC200-0936V1230	9~36Vto12V	9~36V DC	9~36V DC	12V	30A	360W
SC200-0936V1240	9~36Vto12V	9~36V DC	9~36V DC	12V	40A	480W
SC200-0936V1250	9~36Vto12V	9~36V DC	9~36V DC	12V	50A	600W
SC200-0936V1260	9~36Vto12V	9~36V DC	9~36V DC	12V	60A	720W

9-36Vto13.8V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0936V13S803	9~36Vto13.8V	9~36V DC	9~36V DC	13.8V	3A	41.4W
SC200-0936V13S805	9~36Vto13.8V	9~36V DC	9~36V DC	13.8V	5A	69W
SC200-0936V13S806	9~36Vto13.8V	9~36V DC	9~36V DC	13.8V	6A	82.8W
SC200-0936V13S808	9~36Vto13.8V	9~36V DC	9~36V DC	13.8V	8A	110.4W
SC200-0936V13S810	9~36Vto13.8V	9~36V DC	9~36V DC	13.8V	10A	138W
SC200-0936V13S812	9~36Vto13.8V	9~36V DC	9~36V DC	13.8V	12A	165.6W
SC200-0936V13S815	9~36Vto13.8V	9~36V DC	9~36V DC	13.8V	15A	207W
SC200-0936V13S820	9~36Vto13.8V	9~36V DC	9~36V DC	13.8V	20A	276W
SC200-0936V13S825	9~36Vto13.8V	9~36V DC	9~36V DC	13.8V	25A	345W

10-36Vto12V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-1036V1225	10~36Vto12V	10~36V DC	10~36V DC	12V	25A	300W
SC200-1036V1230	10~36Vto12V	10~36V DC	10~36V DC	12V	30A	360W
SC200-1036V1240	10~36Vto12V	10~36V DC	10~36V DC	12V	40A	480W
SC200-1036V1250	10~36Vto12V	10~36V DC	10~36V DC	12V	50A	600W

10-36Vto19V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-1036V1903	10~36Vto19V	10~36V DC	10~36V DC	19V	3A	57W
SC200-1036V1905	10~36Vto19V	10~36V DC	10~36V DC	19V	5A	95W
SC200-1036V1906	10~36Vto19V	10~36V DC	10~36V DC	19V	6A	114W
SC200-1036V1908	10~36Vto19V	10~36V DC	10~36V DC	19V	8A	152W
SC200-1036V1910	10~36Vto19V	10~36V DC	10~36V DC	19V	10A	190W
SC200-1036V1912	10~36Vto19V	10~36V DC	10~36V DC	19V	12A	228W
SC200-1036V1915	10~36Vto19V	10~36V DC	10~36V DC	19V	15A	285W
SC200-1036V1920	10~36Vto19V	10~36V DC	10~36V DC	19V	20A	380W

10-36Vto24V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-1036V2425	10~36Vto24V	10~36V DC	10~36V DC	24V	25A	600W
SC200-1036V2430	10~36Vto24V	10~36V DC	10~36V DC	24V	30A	720W
SC200-1036V2440	10~36Vto24V	10~36V DC	10~36V DC	24V	40A	960W

18-36Vto24V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-1836V2405	18~36Vto24V	18~36V DC	18~36V DC	24V	5A	120W
SC200-1836V2406	18~36Vto24V	18~36V DC	18~36V DC	24V	6A	144W
SC200-1836V2408	18~36Vto24V	18~36V DC	18~36V DC	24V	8A	192W
SC200-1836V2410	18~36Vto24V	18~36V DC	18~36V DC	24V	10A	240W
SC200-1836V2412	18~36Vto24V	18~36V DC	18~36V DC	24V	12A	288W
SC200-1836V2415	18~36Vto24V	18~36V DC	18~36V DC	24V	15A	360W
SC200-1836V2420	18~36Vto24V	18~36V DC	18~36V DC	24V	20A	480W

Type: Non-isolated buck-boost
Efficiency: >93%
Protection function: over current, over voltage, over temperature protection
Installation cable length: 1-25A 14cm
Waterproof rating: IP67
Size and weight: 1~2A(rubber shell 58*40.5*22mm) 100g,
3~10A(cast aluminum 74*74*32mm) 260g,
15~25A(cast aluminum 100*80*39mm) 500g
(size for reference only, contact business for details)

Notes

1. DC-DC converter is prohibited to be used for battery/cell charging.
2. This product is a constant voltage module, prohibited for constant current loads.
3. It is prohibited to connect the outputs of the same converter in parallel or series, otherwise the product will be damaged. 4.
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 5 times.
5. such converter input positive and negative poles are strictly prohibited to reverse, before wiring, please be sure to measure the positive and 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 the 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 current backflow and anti-reverse connection should be added to the diode.