

Non-Isolated DC-DC Buck Converter

Type: Non-isolated boost

Efficiency :>93%

Ripple: (1~25A) 40mV, (30~60A) 170mV

Low power: (1~3A) 1.5mA, (3~5A) 8mA, (8~25A) 20mA, (30~60A) 60mA

Protection Function: Over current, over voltage, and over temperature protection Installation cable length: 1 to 30A 14cm, 50 to 60A copper bar terminals

Waterproof Class :IP67/IP68

Dimensions Weight: 1~3A(rubber shell 46*32*18mm)60g, 3~5A(cast aluminum 58*40.5*22mm) 100g, 8~25A(cast aluminum 74*74*32mm) 260g, 30A(cast aluminum 100*80*39mm)500g, 40~60A(aluminum 150*127*63mm) 1.7kg



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

12V/24Vto3. 3V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-1224V3S301	12V/24Vto3. 3V	9~36V	12V/24V	3. 3V	1A	3. 3W
SC200-1224V3S302	12V/24Vto3. 3V	9~36V	12V/24V	3. 3V	2A	6. 6W
SC200-1224V3S303	12V/24Vto3. 3V	9~36V	12V/24V	3. 3V	3A	9. 9W
SC200-1224V3S305	12V/24Vto3. 3V	9~36V	12V/24V	3. 3V	5A	16. 5W

12V/24Vto3. 7V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-1224V3S701	12V/24Vto3. 7V	9~36V	12V/24V	3. 7V	1A	3. 7W
SC200-1224V3S702	12V/24Vto3. 7V	9~36V	12V/24V	3. 7V	2A	7. 4W
SC200-1224V3S703	12V/24Vto3. 7V	9~36V	12V/24V	3. 7V	3A	11. 1W
SC200-1224V3S705	12V/24Vto3. 7V	9~36V	12V/24V	3. 7V	5A	18. 5W

12V/24Vto4. 2V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-1224V4S201	12V/24Vto4. 2V	9~36V	12V/24V	4. 2V	1A	4. 2W
SC200-1224V4S202	12V/24Vto4. 2V	9~36V	12V/24V	4. 2V	2A	8. 4W
SC200-1224V4S203	12V/24Vto4. 2V	9~36V	12V/24V	4. 2V	3A	12. 6W
SC200-1224V4S205	12V/24Vto4. 2V	9~36V	12V/24V	4. 2V	5A	21W

12V/24Vto5V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-1224V0501	12V/24Vto5V	8~40V	12V/24V	5V	1A	5W
SC200-1224V0502	12V/24Vto5V	8~40V	12V/24V	5V	2A	10W
SC200-1224V0503	12V/24Vto5V	8~40V	12V/24V	5V	3A	15W
SC200-1224V0505	12V/24Vto5V	8~40V	12V/24V	5V	5A	25W
SC200-1224V0508	12V/24Vto5V	8~40V	12V/24V	5V	8A	40W
SC200-1224V0510	12V/24Vto5V	8~40V	12V/24V	5V	10A	50W
SC200-1224V0515	12V/24Vto5V	8~40V	12V/24V	5V	15A	75W
SC200-1224V0520	12V/24Vto5V	8~40V	12V/24V	5V	20A	100W
SC200-1224V0530	12V/24Vto5V	8~40V	12V/24V	5V	30A	150W
SC200-1224V0540	12V/24Vto5V	8~40V	12V/24V	5V	40A	200W

12to5V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0012V0501	12Vto5V	10~36V DC	12V DC	5V DC	1A	5W
SC200-0012V0502	12Vto5V	10~36V DC	12V DC	5V DC	2A	10W
SC200-0012V0503	12Vto5V	10~36V DC	12V DC	5V DC	3A	15W
SC200-0012V0505	12Vto5V	10~36V DC	12V DC	5V DC	5A	25W
SC200-0012V0508	12Vto5V	10~36V DC	12V DC	5V DC	8A	40W
SC200-0012V0510	12Vto5V	10~36V DC	12V DC	5V DC	10A	50W
SC200-0012V0515	12Vto5V	10~36V DC	12V DC	5V DC	15A	75W
SC200-0012V0520	12Vto5V	10~36V DC	12V DC	5V DC	20A	100W
SC200-0012V0530	12Vto5V	10~36V DC	12V DC	5V DC	30A	150W
SC200-0012V0540	12Vto5V	10~36V DC	12V DC	5V DC	40A	200W

12V/24Vto6V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-1224V0601	12V/24Vto6V	9~36V	12V/24V	6V	1A	6W
SC200-1224V0602	12V/24Vto6V	9~36V	12V/24V	6V	2A	12W
SC200-1224V0603	12V/24Vto6V	9~36V	12V/24V	6V	3A	18W
SC200-1224V0605	12V/24Vto6V	9~36V	12V/24V	6V	5A	30W

12V/24Vto7.5V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-1224V7S501	12V/24Vto7.5V	10~36V	12V/24V	7.5V	1A	7.5W
SC200-1224V7S502	12V/24Vto7.5V	10~36V	12V/24V	7.5V	2A	15W
SC200-1224V7S503	12V/24Vto7.5V	10~36V	12V/24V	7.5V	3A	22.5W
SC200-1224V7S505	12V/24Vto7.5V	10~36V	12V/24V	7.5V	5A	37.5W

12V/24Vto9V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-1224V0901	12V/24Vto9V	11~36V	12V/24V	9V	1A	9W
SC200-1224V0902	12V/24Vto9V	11~36V	12V/24V	9V	2A	18W
SC200-1224V0903	12V/24Vto9V	11~36V	12V/24V	9V	3A	27W
SC200-1224V0905	12V/24Vto9V	11~36V	12V/24V	9V	5A	45W
SC200-1224V0908	12V/24Vto9V	11~36V	12V/24V	9V	8A	72W
SC200-1224V0910	12V/24Vto9V	11~36V	12V/24V	9V	10A	90W
SC200-1224V0915	12V/24Vto9V	11~36V	12V/24V	9V	15A	135W
SC200-1224V0920	12V/24Vto9V	11~36V	12V/24V	9V	20A	180W
SC200-1224V0930	12V/24Vto9V	11~36V	12V/24V	9V	30A	270W

18Vto12V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0018V1201	18Vto12V	10~36V DC	18V DC	12V DC	1A	12W
SC200-0018V1202	18Vto12V	10~36V DC	18V DC	12V DC	2A	24W
SC200-0018V1203	18Vto12V	10~36V DC	18V DC	12V DC	3A	36W
SC200-0018V1205	18Vto12V	10~36V DC	18V DC	12V DC	5A	60W
SC200-0018V1208	18Vto12V	10~36V DC	18V DC	12V DC	8A	96W
SC200-0018V1210	18Vto12V	10~36V DC	18V DC	12V DC	10A	120W
SC200-0018V1215	18Vto12V	10~36V DC	18V DC	12V DC	15A	180W
SC200-0018V1220	18Vto12V	10~36V DC	18V DC	12V DC	20A	240W
SC200-0018V1230	18Vto12V	10~36V DC	18V DC	12V DC	30A	360W
SC200-0018V1240	18Vto12V	10~36V DC	18V DC	12V DC	40A	480W
SC200-0018V1250	18Vto12V	10~36V DC	18V DC	12V DC	50A	600W
SC200-0018V1260	18Vto12V	10~36V DC	18V DC	12V DC	60A	720W

24Vto12V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0024V1201	24Vto12V	18~36V DC	24V DC	12V DC	1A	12W
SC200-0024V1202	24Vto12V	18~36V DC	24V DC	12V DC	2A	24W
SC200-0024V1203	24Vto12V	18~36V DC	24V DC	12V DC	3A	36W
SC200-0024V1205	24Vto12V	18~36V DC	24V DC	12V DC	5A	60W
SC200-0024V1208	24Vto12V	18~36V DC	24V DC	12V DC	8A	96W
SC200-0024V1210	24Vto12V	18~36V DC	24V DC	12V DC	10A	120W
SC200-0024V1215	24Vto12V	18~36V DC	24V DC	12V DC	15A	180W
SC200-0024V1220	24Vto12V	18~36V DC	24V DC	12V DC	20A	240W
SC200-0024V1230	24Vto12V	18~36V DC	24V DC	12V DC	30A	360W
SC200-0024V1240	24Vto12V	18~36V DC	24V DC	12V DC	40A	480W
SC200-0024V1250	24Vto12V	18~36V DC	24V DC	12V DC	50A	600W
SC200-0024V1260	24Vto12V	18~36V DC	24V DC	12V DC	60A	720W

24Vto13.8V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0024V13S810	24Vto13.8V	15~36V	24V	13.8V	10A	138W
SC200-0024V13S815	24Vto13.8V	15~36V	24V	13.8V	15A	207W
SC200-0024V13S820	24Vto13.8V	15~36V	24V	13.8V	20A	276W
SC200-0024V13S825	24Vto13.8V	15~36V	24V	13.8V	25A	345W
SC200-0024V13S830	24Vto13.8V	15~36V	24V	13.8V	30A	414W
SC200-0024V13S835	24Vto13.8V	15~36V	24V	13.8V	35A	483W
SC200-0024V13S840	24Vto13.8V	15~36V	24V	13.8V	40A	552W

24Vto19V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0024V1905	24Vto19V	21~40V	24V	19V	5A	95W
SC200-0024V1906	24Vto19V	21~40V	24V	19V	6A	114W
SC200-0024V1908	24Vto19V	21~40V	24V	19V	8A	152W
SC200-0024V1910	24Vto19V	21~40V	24V	19V	10A	190W
SC200-0024V1915	24Vto19V	21~40V	24V	19V	15A	285W
SC200-0024V1920	24Vto19V	21~40V	24V	19V	20A	380W

36V/48Vto19V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-3648V1905	36V/48Vto19V	30~60V	36V/48V	19V	5A	95W
SC200-3648V1910	36V/48Vto19V	30~60V	36V/48V	19V	10A	190W
SC200-3648V1915	36V/48Vto19V	30~60V	36V/48V	19V	15A	285W
SC200-3648V1920	36V/48Vto19V	30~60V	36V/48V	19V	20A	380W
SC200-3648V1925	36V/48Vto19V	30~60V	36V/48V	19V	25A	475W
SC200-3648V1930	36V/48Vto19V	30~60V	36V/48V	19V	30A	570W

24Vto20V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0024V2005	24Vto20V	22~36V	24V	20V	5A	100W
SC200-0024V2010	24Vto20V	22~36V	24V	20V	10A	200W
SC200-0024V2015	24Vto20V	22~36V	24V	20V	15A	300W
SC200-0024V2020	24Vto20V	22~36V	24V	20V	20A	400W
SC200-0024V2025	24Vto20V	22~36V	24V	20V	25A	500W
SC200-0024V2030	24Vto20V	22~36V	24V	20V	30A	600W
SC200-0024V2035	24Vto20V	22~36V	24V	20V	35A	700W

36V/48Vto20V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-3648V2001	36V/48Vto20V	20~60V	36V/48V	20V	1A	20W
SC200-3648V2005	36V/48Vto20V	20~60V	36V/48V	21V	5A	100W
SC200-3648V2010	36V/48Vto20V	20~60V	36V/48V	22V	10A	200W
SC200-3648V2015	36V/48Vto20V	20~60V	36V/48V	23V	15A	300W
SC200-3648V2020	36V/48Vto20V	20~60V	36V/48V	24V	20A	400W

36V/48Vto5V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-3648V0501	36V/48Vto5V	30~60V	36V/48V	5V	1A	5W
SC200-3648V0502	36V/48Vto5V	30~60V	36V/48V	5V	2A	10W
SC200-3648V0503	36V/48Vto5V	30~60V	36V/48V	5V	3A	15W
SC200-3648V0505	36V/48Vto5V	30~60V	36V/48V	5V	5A	25W
SC200-3648V0506	36V/48Vto5V	30~60V	36V/48V	5V	6A	30W
SC200-3648V0508	36V/48Vto5V	30~60V	36V/48V	5V	8A	40W
SC200-3648V0510	36V/48Vto5V	30~60V	36V/48V	5V	10A	50W
SC200-3648V0520	36V/48Vto5V	30~60V	36V/48V	5V	20A	100W

36V/48Vto12V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-3648V1201	36V/48Vto12V	30~60V	36V/48V	12V	1A	12W
SC200-3648V1202	36V/48Vto12V	30~60V	36V/48V	12V	2A	24W
SC200-3648V1203	36V/48Vto12V	30~60V	36V/48V	12V	3A	36W
SC200-3648V1205	36V/48Vto12V	30~60V	36V/48V	12V	5A	60W
SC200-3648V1208	36V/48Vto12V	30~60V	36V/48V	12V	8A	96W
SC200-3648V1210	36V/48Vto12V	30~60V	36V/48V	12V	10A	120W
SC200-3648V1215	36V/48Vto12V	30~60V	36V/48V	12V	15A	180W
SC200-3648V1220	36V/48Vto12V	30~60V	36V/48V	12V	20A	240W
SC200-3648V1230	36V/48Vto12V	30~60V	36V/48V	12V	30A	360W
SC200-3648V1240	36V/48Vto12V	30~60V	36V/48V	12V	40A	480W
SC200-3648V1250	36V/48Vto12V	30~60V	36V/48V	12V	50A	600W
SC200-3648V1260	36V/48Vto12V	30~60V	36V/48V	12V	60A	720W

36V/48Vto24V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-3648V2401	36V/48Vto24V	30~60V	36V/48V	24V	1A	24W
SC200-3648V2402	36V/48Vto24V	30~60V	36V/48V	24V	2A	48W
SC200-3648V2403	36V/48Vto24V	30~60V	36V/48V	24V	3A	72W
SC200-3648V2405	36V/48Vto24V	30~60V	36V/48V	24V	5A	120W
SC200-3648V2408	36V/48Vto24V	30~60V	36V/48V	24V	8A	192W
SC200-3648V2410	36V/48Vto24V	30~60V	36V/48V	24V	10A	240W
SC200-3648V2415	36V/48Vto24V	30~60V	36V/48V	24V	15A	360W
SC200-3648V2420	36V/48Vto24V	30~60V	36V/48V	24V	20A	480W
SC200-3648V2430	36V/48Vto24V	30~60V	36V/48V	24V	30A	720W

60Vto5V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0060V0505	60Vto5V	20~72V	60V	5V	5A	25W
SC200-0060V0508	60Vto5V	20~72V	60V	5V	8A	40W
SC200-0060V0510	60Vto5V	20~72V	60V	5V	10A	50W
SC200-0060V0515	60Vto5V	20~72V	60V	5V	15A	75W

60Vto12V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0060V1201	60Vto12V	20~75V	60V	12V	1A	12W
SC200-0060V1202	60Vto12V	20~75V	60V	12V	2A	24W
SC200-0060V1203	60Vto12V	20~75V	60V	12V	3A	36W
SC200-0060V1205	60Vto12V	20~75V	60V	12V	5A	60W
SC200-0060V1208	60Vto12V	20~75V	60V	12V	8A	96W
SC200-0060V1210	60Vto12V	20~75V	60V	12V	10A	120W
SC200-0060V1215	60Vto12V	20~75V	60V	12V	15A	180W

60Vto24V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0060V2401	60Vto24V	20~72V	60V	24V	1A	24W
SC200-0060V2402	60Vto24V	20~72V	60V	24V	2A	48W
SC200-0060V2403	60Vto24V	20~72V	60V	24V	3A	72W
SC200-0060V2405	60Vto24V	20~72V	60V	24V	5A	120W
SC200-0060V2408	60Vto24V	20~72V	60V	24V	8A	192W
SC200-0060V2410	60Vto24V	20~72V	60V	24V	10A	240W

48Vto36V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0048V3605	48Vto36V	40~60V	48V	36V	5A	180W
SC200-0048V3608	48Vto36V	40~60V	48V	36V	8A	288W
SC200-0048V3610	48Vto36V	40~60V	48V	36V	10A	360W
SC200-0048V3615	48Vto36V	40~60V	48V	36V	15A	540W

60Vto36V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0060V3605	60Vto36V	40~75V	60V	36V	5A	180W
SC200-0060V3608	60Vto37V	40~76V	61V	36V	8A	288W
SC200-0060V3610	60Vto38V	40~77V	62V	36V	10A	360W
SC200-0060V3615	60Vto39V	40~78V	63V	36V	15A	540W

72V/80Vto36V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-7280V3605	72V/80Vto36V	40~96V	72V/80V	36V	5A	180W
SC200-7280V3608	72V/80Vto37V	40~97V	72V/81V	36V	8A	288W
SC200-7280V3610	72V/80Vto38V	40~98V	72V/82V	36V	10A	360W
SC200-7280V3615	72V/80Vto39V	40~99V	72V/83V	36V	15A	540W

60Vto48V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0060V4803	60Vto48V	55~72V	60V	48V	3A	144W
SC200-0060V4805	60Vto48V	55~72V	60V	48V	5A	240W
SC200-0060V4808	60Vto48V	55~72V	60V	48V	8A	384W
SC200-0060V4810	60Vto48V	55~72V	60V	48V	10A	480W
SC200-0060V4815	60Vto48V	55~72V	60V	48V	15A	720W
SC200-0060V4820	60Vto48V	55~72V	60V	48V	20A	960W

72V/80Vto48V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-7280V4803	72V/80Vto48V	55~96V	72V/80V	48V	3A	144W
SC200-7280V4805	72V/80Vto48V	55~96V	72V/80V	48V	5A	240W
SC200-7280V4808	72V/80Vto48V	55~96V	72V/80V	48V	8A	384W
SC200-7280V4810	72V/80Vto48V	55~96V	72V/80V	48V	10A	480W
SC200-7280V4815	72V/80Vto48V	55~96V	72V/80V	48V	15A	720W
SC200-7280V4820	72V/80Vto48V	55~96V	72V/80V	48V	20A	960W

72V/80Vto12V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-7280V1203	72V/80Vto12V	30~96V	72V/80V	12V	3A	36W
SC200-7280V1205	72V/80Vto12V	30~96V	72V/80V	12V	5A	60W
SC200-7280V1208	72V/80Vto12V	30~96V	72V/80V	12V	8A	96W
SC200-7280V1210	72V/80Vto12V	30~96V	72V/80V	12V	10A	120W
SC200-7280V1215	72V/80Vto12V	30~96V	72V/80V	12V	15A	180W
SC200-7280V1220	72V/80Vto12V	30~96V	72V/80V	12V	20A	240W

100Vto12V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0100V1203	100Vto12V	40~120V	100V	12V	3A	36W
SC200-0100V1205	100Vto12V	40~120V	100V	12V	5A	60W
SC200-0100V1208	100Vto12V	40~120V	100V	12V	8A	96W
SC200-0100V1210	100Vto12V	40~120V	100V	12V	10A	120W
SC200-0100V1215	100Vto12V	40~120V	100V	12V	15A	180W
SC200-0100V1220	100Vto12V	40~120V	100V	12V	20A	240W

72V/80Vto24V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-7280V2403	72V/80Vto24V	30~96V	72V/80V	24V	3A	72W
SC200-7280V2405	72V/80Vto24V	30~96V	72V/80V	24V	5A	120W
SC200-7280V2408	72V/80Vto24V	30~96V	72V/80V	24V	8A	192W
SC200-7280V2410	72V/80Vto24V	30~96V	72V/80V	24V	10A	240W
SC200-7280V2415	72V/80Vto24V	30~96V	72V/80V	24V	15A	360W
SC200-7280V2420	72V/80Vto24V	30~96V	72V/80V	24V	20A	480W

100Vto24V

Model	Specifications	Input voltage range	Rated input voltage	Output voltage	Rated current (customizable)	Output power
SC200-0100V2403	100Vto24V	40~120V	90V/100V	24V	3A	72W
SC200-0100V2405	100Vto24V	40~120V	90V/100V	24V	5A	120W
SC200-0100V2408	100Vto24V	40~120V	90V/100V	24V	8A	192W
SC200-0100V2410	100Vto24V	40~120V	90V/100V	24V	10A	240W
SC200-0100V2415	100Vto24V	40~120V	90V/100V	24V	15A	360W
SC200-0100V2420	100Vto24V	40~120V	90V/100V	24V	20A	480W