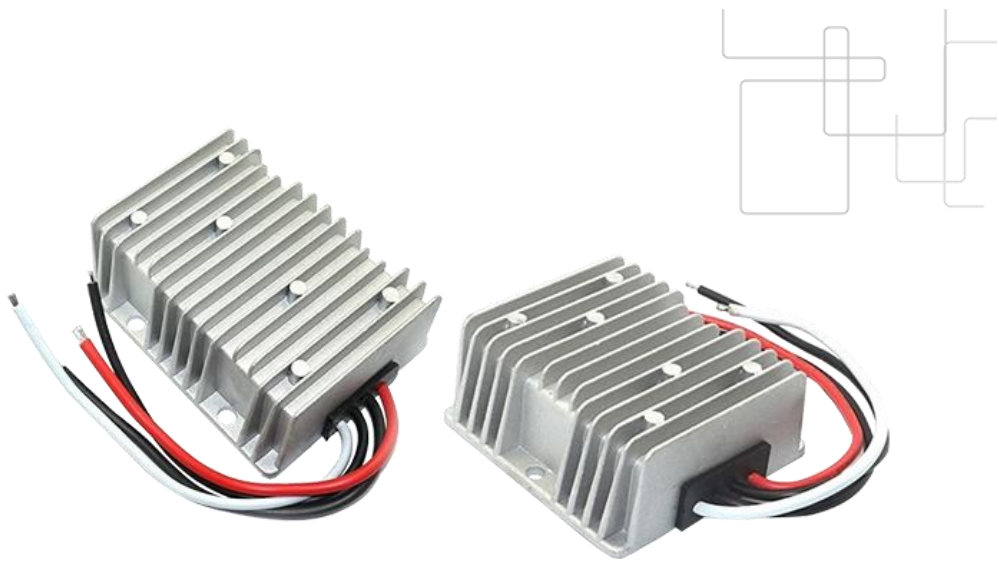


ATO

DC-DC Converter Catalog



Overview

A DC to DC converter is an electrical power module that changes a DC voltage from one level to another. ATO offers a wide selection of DC-DC converters—including buck, boost, boost-buck, and isolated types—covering various power ranges at affordable prices. Buck converters step down voltages like 24V/36V/48V to 12V, or 48V to 24V, while boost converters do the opposite, stepping up 12V to 24V/36V/48V, or 24V to 48V. These converters are commonly used in battery-powered devices such as mobile phones, laptops, and other portable electronics.

Features

- ◆ Design meeting RoHS/CE
- ◆ High efficiency: up to 96%
- ◆ Non-isolated/ isolated between input and output
- ◆ Internal capacitor: NCC & NICHICON (high reliability)
- ◆ 100% full load burn-in test
- ◆ Over load, Over temperature and Over voltage protections
- ◆ Waterproof level IP68
- ◆ 1 Year warranty

Applications

ATO DC-DC converters are widely used in a variety of applications, including trucks, forklifts, buses, logging vehicles, and electromotors. They also play a crucial role in telecommunications, boats and yachts, LED marketplaces, and many other fields, providing efficient voltage.



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DC-DC Boost Converter

DC-DC boost converter (step up converters) is a switching power supply that steps up the input voltage to a higher output voltage using semiconductor elements (a diode and a transistor) and an energy storage element (inductor), with capacitors added to reduce voltage ripple, and ATO offers high-performance, cost-effective modules such as 12V to 15V, 19V, 20V, 24V, 28V, 30V, 36V, 48V and 24V to 48V for various applications.

➤ 12V to 15V DC-DC Boost Converter (SKU: ATO-DCDC-1219)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATO-093615-75W	9-36V	12V DC	15V DC	5A	75W	93%	74*74*32mm
ATO-093615-120W	9-36V	12V DC	15V DC	8A	120W	93%	74*74*32mm
ATO-093615-150W	9-36V	12V DC	15V DC	10A	150W	93%	74*74*32mm
ATO-093615-180W	9-36V	12V DC	15V DC	12A	180W	93%	74*74*32mm
ATO-093615-225W	9-36V	12V DC	15V DC	15A	225W	93%	100*80*39mm
ATO-093615-270W	9-36V	12V DC	15V DC	18A	270W	93%	100*80*39mm
ATO-093615-300W	9-36V	12V DC	15V DC	20A	300W	93%	100*80*39mm
ATO-093615-375W	9-36V	12V DC	15V DC	25A	375W	93%	100*80*39mm
ATO-093615-420W	9-36V	12V DC	15V DC	28A	420W	93%	100*80*39mm
ATO-093615-450W	9-36V	12V DC	15V DC	30A	450W	93%	100*80*39mm

➤ 12V to 19V DC-DC Boost Converter (SKU: ATO-DCDC-1219)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-12S1903	9-16V	12V DC	19V DC	3A	57W	93%	57*64*22mm
ATOWG-12S1905	9-16V	12V DC	19V DC	5A	95W	92%	74*74*32mm
ATOWG-12S1908	9-16V	12V DC	19V DC	8A	152W	92%	74*74*32mm
ATOWG-12S1910	9-16V	12V DC	19V DC	10A	190W	92%	74*74*32mm
ATOWG-12S1915	9-16V	12V DC	19V DC	15A	285W	95%	100*80*39mm
ATOWG-12S1920	9-16V	12V DC	19V DC	20A	380W	95%	100*80*39mm
ATOWG-12S1930	9-16V	12V DC	19V DC	30A	570W	91%	150*127*63mm

➤ **12V to 20V DC-DC Boost Converter**
(SKU: ATO-DCDC-1219)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATO-093620-100W	9-36V	12V DC	20V DC	5A	100W	93%	74*74*32mm
ATO-093620-160W	9-36V	12V DC	20V DC	8A	160W	93%	74*74*32mm
ATO-093620-200W	9-36V	12V DC	20V DC	10A	200W	93%	74*74*32mm
ATO-093620-240W	9-36V	12V DC	20V DC	12A	240W	93%	74*74*32mm
ATO-093620-300W	9-36V	12V DC	20V DC	15A	300W	93%	100*80*39mm
ATO-093620-360W	9-36V	12V DC	20V DC	18A	360W	93%	100*80*39mm
ATO-093620-400W	9-36V	12V DC	20V DC	20A	400W	93%	100*80*39mm
ATO-093620-500W	9-36V	12V DC	20V DC	25A	500W	93%	100*80*39mm
ATO-093620-560W	9-36V	12V DC	20V DC	28A	560W	93%	100*80*39mm
ATO-093620-600W	9-36V	12V DC	20V DC	30A	600W	93%	100*80*39mm

➤ **12V to 24V DC-DC Boost Converter**
(SKU: ATO-DCDC-1224)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-12S2401	10-23V	12V DC	24V DC	1A	24W	95%	57*64*22mm
ATOWG-12S2402	10-23V	12V DC	24V DC	2A	48W	94%	57*64*22mm
ATOWG-12S2403	10-23V	12V DC	24V DC	3A	72W	95%	74*74*32mm
ATOWG-12S2404	10-23V	12V DC	24V DC	4A	96W	94%	74*74*32mm
ATOWG-12S2405	10-23V	12V DC	24V DC	5A	120W	94%	74*74*32mm
ATOWG-12S2408	10-23V	12V DC	24V DC	8A	192W	93%	74*74*32mm
ATOWG-12S2410	10-23V	12V DC	24V DC	10A	240W	92%	74*74*32mm
ATOWG-12S2412	10-23V	12V DC	24V DC	12A	288W	95%	74*74*32mm
ATOWG-12S2415	10-23V	12V DC	24V DC	15A	360W	94%	100*80*39mm
ATOWG-12S2420	10-23V	12V DC	24V DC	20A	480W	95%	100*80*39mm
ATOWG-12S2425	10-23V	12V DC	24V DC	25A	600W	96%	150*127*63mm
ATOWG-12S2430	10-23V	12V DC	24V DC	30A	720W	95%	150*127*63mm
ATOWG-12S2440	10-23V	12V DC	24V DC	40A	960W	94%	220*127*63mm
ATOWG-12S2450	10-23V	12V DC	24V DC	50A	1200W	93%	300*127*63mm

➤ **12V to 28V DC-DC Boost Converter**
(SKU: ATO-DCDC-1228)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-12S2805	10-18V	12V DC	28V DC	5A	140W	94%	74*74*32mm
ATOWG-12S2808	10-18V	12V DC	28V DC	8A	224W	94%	74*74*32mm
ATOWG-12S2810	10-18V	12V DC	28V DC	10A	280W	94%	74*74*32mm
ATOWG-12S2815	10-18V	12V DC	28V DC	15A	420W	95%	100*80*39mm
ATOWG-12S2820	10-18V	12V DC	28V DC	20A	560W	96%	150*127*63mm
ATOWG-12S2830	10-18V	12V DC	28V DC	30A	840W	96%	150*127*63mm
ATOWG-12S2840	10-18V	12V DC	28V DC	40A	1120W	95%	220*127*63mm

➤ **12V to 30V DC-DC Boost Converter**
(SKU: ATO-DCDC-1228)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOZD60-1230L01	10-16V	12V DC	30V DC	2A	60W	93%	66.5*59*24mm

➤ **12V to 36V DC-DC Boost Converter**
(SKU: ATO-DCDC-1236)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-12S3601	10-25V	12V DC	36V DC	1A	36W	94%	57*64*22mm
ATOWG-12S3602	10-25V	12V DC	36V DC	2A	72W	94%	57*64*22mm
ATOWG-12S3605	10-25V	12V DC	36V DC	5A	180W	94%	74*74*32mm
ATOWG-12S3606	10-25V	12V DC	36V DC	6A	216W	94%	74*74*32mm
ATOWG-12S3610	10-25V	12V DC	36V DC	10A	360W	94%	100*80*39mm
ATOWG-12S3615	10-25V	12V DC	36V DC	15A	540W	96%	150*127*63mm
ATOWG-12S3620	10-25V	12V DC	36V DC	20A	720W	96%	150*127*63mm
ATOWG-12S3630	10-25V	12V DC	36V DC	30A	1080W	93%	220*127*63mm

➤ **12V to 48V DC-DC Boost Converter**
(SKU: ATO-DCDC-1248)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-12S4801	10-25V	12V DC	48V DC	1A	48W	94%	57*64*22mm
ATOWG-12S4802	10-25V	12V DC	48V DC	2A	96W	94%	57*64*22mm

ATOWG-12S4803	10-25V	12V DC	48V DC	3A	144W	92%	74*74*32mm
ATOWG-12S4804	10-25V	12V DC	48V DC	4A	192W	90%	74*74*32mm
ATOWG-12S4805	10-25V	12V DC	48V DC	5A	240W	95%	74*74*32mm
ATOWG-12S4808	10-25V	12V DC	48V DC	8A	384W	95%	100*80*39mm
ATOWG-12S4810	10-25V	12V DC	48V DC	10A	480W	96%	150*127*63mm
ATOWG-12S4815	10-25V	12V DC	48V DC	15A	720W	94%	150*127*63mm
ATOWG-12S4820	10-25V	12V DC	48V DC	20A	960W	93%	220*127*63mm

➤ 24V to 48V DC-DC Boost Converter (SKU: ATO-DCDC-2448)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-24S4803	18-35V	24V DC	48V DC	3A	144W	95%	74*74*32mm
ATOWG-24S4805	18-35V	24V DC	48V DC	5A	240W	94%	74*74*32mm
ATOWG-24S4810	18-35V	24V DC	48V DC	10A	480W	97%	100*80*39mm
ATOWG-24S4815	18-35V	24V DC	48V DC	15A	720W	96%	100*80*39mm
ATOWG-24S4820	18-35V	24V DC	48V DC	20A	960W	97%	150*127*63mm
ATOWG-24S4832	18-35V	24V DC	48V DC	32A	1500W	96%	150*127*63mm
ATOWG-24S4840	18-35V	24V DC	48V DC	40A	2000W	96%	220*127*63mm

➤ 3V/3.3V/3.7V to 5V DC-DC Boost Converter (SKU: ATO-DCDC-3705)

Model	Input Voltage	Output Voltage	Output Current	Efficiency	Size
ATO-C47	1.5V/ 1.8V/ 2.5V/ 3V/ 3.3V/ 3.7V/ 4.2V DC	5V DC	7mA at Starting Voltage 0.8V	85%	11*10.5*7.5mm
			40~100mA at Input 1~1.5V		
			100~150mA at Input 1.5~2V		
			150~380mA at Input 2~3V		
			380~480mA at Input Exceeds 3V		

DC-DC Buck Converter



ATO high-efficiency DC-DC buck converters (step down converters) in various input/output options like 12V/24V to 3.3V/5V/6V, 48V to 13.8V/36V, and 24V to 13.8V/15V/19V, suitable for power management in electronics, industrial control, and communication systems. Compact and reliable, they ensure stable, energy-saving performance across diverse applications.

➤ 12V/24V to 3.3V DC-DC Buck Converter (SKU: ATO-DCDC-122405)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Efficiency	Size
ATOZS-243.301	8-40V	12V/24V DC	3.3V DC	1A	92%	63*32*18mm
ATOZS-243.302	8-40V	12V/24V DC	3.3V DC	2A	92%	63*32*18mm
ATOZS-243.303	8-40V	12V/24V DC	3.3V DC	3A	92%	63*32*18mm
ATOZS-243.306	8-40V	12V/24V DC	3.3V DC	5A	92%	63*32*18mm
ATOZS-243.306	8-40V	12V/24V DC	3.3V DC	6A	92%	63*32*18mm
ATOZS-243.310	8-40V	12V/24V DC	3.3V DC	10A	92%	63*32*18mm

➤ 12V/24V to 5V/6V DC-DC Buck Converter (SKU: ATO-DCDC-122405)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-12S0503	8-36V	12V DC	5V DC	3A	15W	89%	41*27*14mm
ATOWG-1224S0510	8-36V	12V/24V DC	5V DC	10A	50W	92%	64*57*22mm
ATOWG-1224S0515	8-36V	12V/24V DC	5V DC	15A	75W	93%	74*74*32mm
ATOWG-1224S0520	8-36V	12V/24V DC	5V DC	20A	100W	92%	74*74*32mm
ATOWG-1224S0530	8-36V	12V/24V DC	5V DC	30A	150W	93%	74*74*32mm
ATOWG-1224S0540	8-36V	12V/24V DC	5V DC	40A	200W	95%	100*80*39mm
ATOWG-1224S0550	8-36V	12V/24V DC	5V DC	50A	250W	91%	150*127*63mm
ATOWG-1224S0560	8-36V	12V/24V DC	5V DC	60A	300W	90%	150*127*63mm
ATOWG-1224S0640	8-36V	12V/24V DC	6V DC	40A	200W	95%	100*80*39mm

➤ **24V to 12V DC-DC Buck Converter**
(SKU: ATO-DCDC-2412)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-24S121R5	18-36V	24V DC	12V DC	1.5A	18W	92%	66*34*22mm
ATOWG-24S1205S	18-36V	24V DC	12V DC	5A	60W	92%	63*32*18mm
ATOWG-24S1210	18-36V	24V DC	12V DC	10A	120W	92%	74*74*32mm
ATOWG-24S1215	18-36V	24V DC	12V DC	15A	180W	92%	74*74*32mm
ATOWG-24S1230	18-36V	24V DC	12V DC	30A	360W	92%	100*80*39mm
ATOWG-24S1240	18-36V	24V DC	12V DC	40A	480W	92%	100*80*39mm
ATOWG-24S1250	18-36V	24V DC	12V DC	50A	600W	92%	150*127*63mm
ATOWG-24S1260	18-36V	24V DC	12V DC	60A	720W	92%	150*127*63mm
ATOWG-24S1285	18-36V	24V DC	12V DC	85A	1000W	92%	220*127*63mm
ATOWG-24S12100	18-36V	24V DC	12V DC	100A	1200W	92%	220*127*63mm

➤ **24V to 13.8V DC-DC Buck Converter**
(SKU: ATO-DCDC-24138)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-24S13R805	18-36V	24V DC	13.8V DC	5A	69W	94%	64*57*22mm
ATOWG-24S13R810	18-36V	24V DC	13.8V DC	10A	138W	95.5%	64*57*22mm
ATOWG-24S13R815	18-36V	24V DC	13.8V DC	15A	207W	96.2%	74*74*32mm
ATOWG-24S13R820	18-36V	24V DC	13.8V DC	20A	276W	95.7%	74*74*32mm
ATOWG-24S13R840	18-36V	24V DC	13.8V DC	40A	552W	96.9%	100*80*39mm
ATOWG-24S13R850M	18-36V	24V DC	13.8V DC	50A	690W	96.6%	100*80*36mm
ATOWG-24S13R860M	18-36V	24V DC	13.8V DC	60A	828W	96.3%	100*80*36mm
ATOWG-24S13R8100M	18-36V	24V DC	13.8V DC	100A	1380W	96.8%	140*120*42.5mm

➤ **24V to 15V DC-DC Buck Converter**
(SKU: ATO-DCDC-24138)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOL2-1840241A	18-40V	24V DC	15V DC	1A	15W	95%	58*24*20mm
ATOL2-1840242A	18-40V	24V DC	15V DC	2A	30W	95%	58*24*20mm
ATOL2-1840243A	18-40V	24V DC	15V DC	3A	45W	95%	58*24*20mm

ATOL2-1840244A	18-40V	24V DC	15V DC	4A	60W	95%	58*24*20mm
ATOL2-1840245A	18-40V	24V DC	15V DC	5A	75W	95%	58*24*20mm

➤ 24V to 19V DC-DC Buck Converter (SKU: ATO-DCDC-24138)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-24S1905	23-36V	24V DC	19V DC	5A	95W	93%	74*74*32mm
ATOWG-24S1910	23-36V	24V DC	19V DC	10A	190W	92%	74*74*32mm
ATOWG-24S1915	23-36V	24V DC	19V DC	15A	285W	93%	74*74*32mm

➤ 36V to 12V DC-DC Buck Converter (SKU: ATO-DCDC-3612)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-36S1205	28-36V	36V DC	12V DC	5A	60W	94%	57*64*22mm
ATOWG-36S1210	28-36V	36V DC	12V DC	10A	120W	94%	74*74*32mm
ATOWG-36S1215	28-36V	36V DC	12V DC	15A	180W	95%	74*74*32mm
ATOWG-36S1230	28-36V	36V DC	12V DC	20A	240W	94%	74*74*32mm
ATOWG-36S1220	28-36V	36V DC	12V DC	30A	360W	95%	100*80*39mm
ATOWG-36S1250	28-36V	36V DC	12V DC	50A	600W	95%	150*127*63mm
ATOWG-36S1260	28-36V	36V DC	12V DC	60A	720W	95%	150*127*63mm

➤ 48V to 12V DC-DC Buck Converter (SKU: ATO-DCDC-4812)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-48S1205	35-60V	48V DC	12V DC	5A	60W	94%	57*64*22mm
ATOWG-48S1210	35-60V	48V DC	12V DC	10A	120W	94%	74*74*32mm
ATOWG-48S1215	35-60V	48V DC	12V DC	15A	180W	95%	74*74*32mm
ATOWG-48S1220	35-60V	48V DC	12V DC	20A	240W	94%	74*74*32mm
ATOWG-48S1230	35-60V	48V DC	12V DC	30A	360W	95%	100*80*39mm
ATOWG-48S1250	35-60V	48V DC	12V DC	50A	600W	95%	150*127*63mm
ATOWG-48S1260	35-60V	48V DC	12V DC	60A	720W	95%	150*127*63mm

➤ **48V to 13.8V DC-DC Buck Converter**
(SKU: ATO-DCDC-48138)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-48S13R805	30-60V	48V DC	13.8V DC	5A	69W	92.2%	64*57*22mm
ATOWG-48S13R810	30-60V	48V DC	13.8V DC	10A	138W	93.7%	64*57*22mm
ATOWG-48S13R815	30-60V	48V DC	13.8V DC	15A	207W	95.8%	74*74*32mm
ATOWG-48S13R820	30-60V	48V DC	13.8V DC	20A	276W	95%	74*74*32mm
ATOWG-48S13R830	30-60V	48V DC	13.8V DC	30A	414W	95.3%	100*80*39mm
ATOWG-48S13R850M	30-60V	48V DC	13.8V DC	50A	690W	97%	100*80*36mm
ATOWG-48S13R860M	30-60V	48V DC	13.8V DC	60A	828W	96.5%	100*80*36mm

➤ **48V to 24V DC-DC Buck Converter**
(SKU: ATO-DCDC-4824)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-48S2403	35-60V	48V DC	24V DC	3A	72W	92%	57*64*22mm
ATOWG-48S2405	35-60V	48V DC	24V DC	5A	120W	96%	74*74*32mm
ATOWG-48S2410	35-60V	48V DC	24V DC	10A	240W	98%	74*74*32mm
ATOWG-48S2415	35-60V	48V DC	24V DC	15A	360W	97%	100*80*39mm
ATOWG-48S2420	35-60V	48V DC	24V DC	20A	480W	97%	100*80*39mm
ATOWG-48S2430	35-60V	48V DC	24V DC	30A	720W	95%	100*80*39mm
ATOWG-48S2440	35-60V	48V DC	24V DC	40A	960W	96%	150*127*63mm
ATOWG-48S2450	35-60V	48V DC	24V DC	50A	1200W	96%	220*127*63mm
ATOWG-48S2463	35-60V	48V DC	24V DC	60A	1500W	95%	220*127*63mm

➤ **48V to 36V DC-DC Buck Converter**
(SKU: ATO-DCDC-48138)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATODL-4836V03	40-60V	48V DC	36V DC	3A	108W	92%	74*74*32mm
ATODL-4836V05	40-60V	48V DC	36V DC	5A	180W	92%	74*74*32mm
ATODL-4836V08	40-60V	48V DC	36V DC	8A	288W	92%	74*74*32mm
ATODL-4836V10	40-60V	48V DC	36V DC	10A	360W	92%	74*74*32mm

➤ **60V to 12V DC-DC Buck Converter**
(SKU: ATO-DCDC-6012)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-60S1205	50-75V	60V DC	12V DC	5A	60W	92%	74*74*32mm
ATOWG-60S1210	50-75V	60V DC	12V DC	10A	120W	94%	74*74*32mm
ATOWG-60S1215	50-75V	60V DC	12V DC	15A	180W	93%	74*74*32mm
ATOWG-60S1220	50-75V	60V DC	12V DC	20A	240W	93%	100*80*39mm

➤ **72V to 12V DC-DC Buck Converter**
(SKU: ATO-DCDC-7212)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-72S1205	18-90V	72V DC	12V DC	5A	60W	90.6%	64*57*22mm
ATOWG-72S1210Z	18-90V	72V DC	12V DC	10A	120W	91%	64*57*22mm

➤ **72V to 24V DC-DC Buck Converter**
(SKU: ATO-DCDC-7224)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG-72S2405	30-90V	72V DC	24V DC	5A	120W	93%	64*57*22mm
ATOWG-72S2410	30-90V	72V DC	24V DC	10A	240W	96.5%	64*57*22mm
ATOWG-72S2420	30-90V	72V DC	24V DC	15A	480W	96.4%	64*57*22mm

DC-DC Buck Boost Converter



Buck boost modules typically include inductors, switching transistors, diodes, and control circuits. In boost mode, they raise the voltage by storing energy in the inductor; in buck mode, they lower it by releasing that energy. ATO boost-buck converters (step-up/down) efficiently convert 18V–40V or 9V–40V to 24V, and 8V–40V to 12V, making them ideal for electronics, EVs, solar systems, and other applications requiring flexible voltage regulation.

➤ 8-40V to 12V DC-DC Buck Boost Converter (SKU: ATO-DCDC-83612)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG8-40S1206	8-40V	12/24V DC	12V DC	6A	72W	90.8%	74*74*32mm
ATOWG8-40S1210	8-40V	12/24V DC	12V DC	10A	120W	90.8%	74*74*32mm
ATOWG8-40S1220	8-40V	12/24V DC	12V DC	20A	240W	96%	74*74*32mm

➤ 9-40V to 24V DC-DC Buck Boost Converter (SKU: ATO-DCDC93624)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG9-40S2406	9-40V	12/24V DC	24V DC	6A	144W	92%	74*74*32mm
ATOWG9-40S2410	9-40V	12/24V DC	24V DC	10A	240W	97%	74*74*32mm
ATOWG9-40S2415	9-40V	12/24V DC	24V DC	15A	360W	98%	100*80*39mm

➤ 18-40V to 24V DC-DC Buck Boost Converter (SKU: ATO-DCDC183624)

Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATOWG18-40S2420	18-40V	24/36V DC	24V DC	20A	480W	97.4%	74*74*32mm
ATOWG18-40S2425	18-40V	24/36V DC	24V DC	25A	600W	97%	100*80*39mm
ATOWG18-40S2430	18-40V	24/36V DC	24V DC	30A	720W	97.6%	100*80*39mm



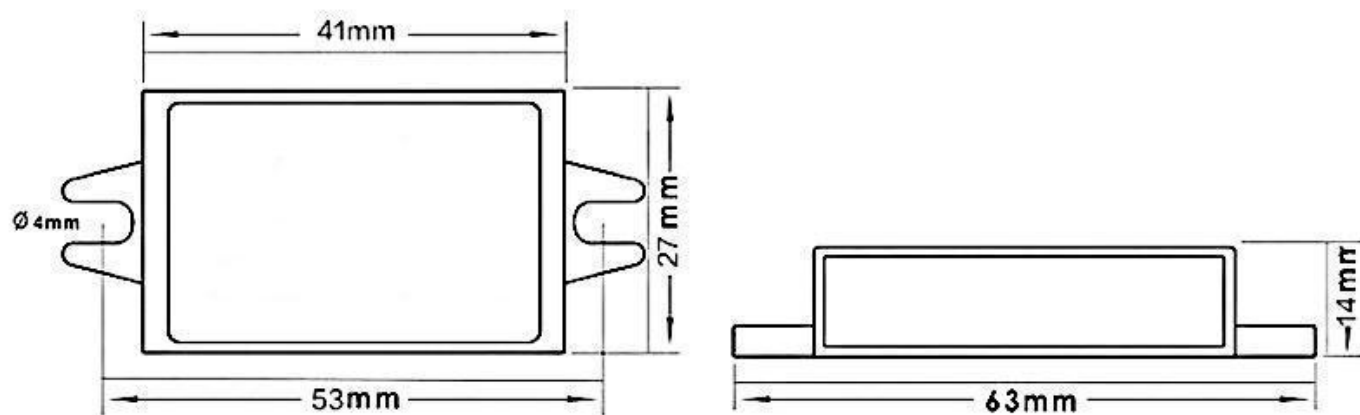
Isolated DC-DC Converter

ATO isolated DC-DC converters, including 220V to 12V/24V, 48V to 5V/12V/24V, and 72V to 12V models, providing reliable options for different power needs. These converters are widely used in electronic device power supplies, renewable energy systems, telecom equipment, and industrial control applications, delivering advantages such as galvanic isolation, stable voltage output, and high conversion efficiency.

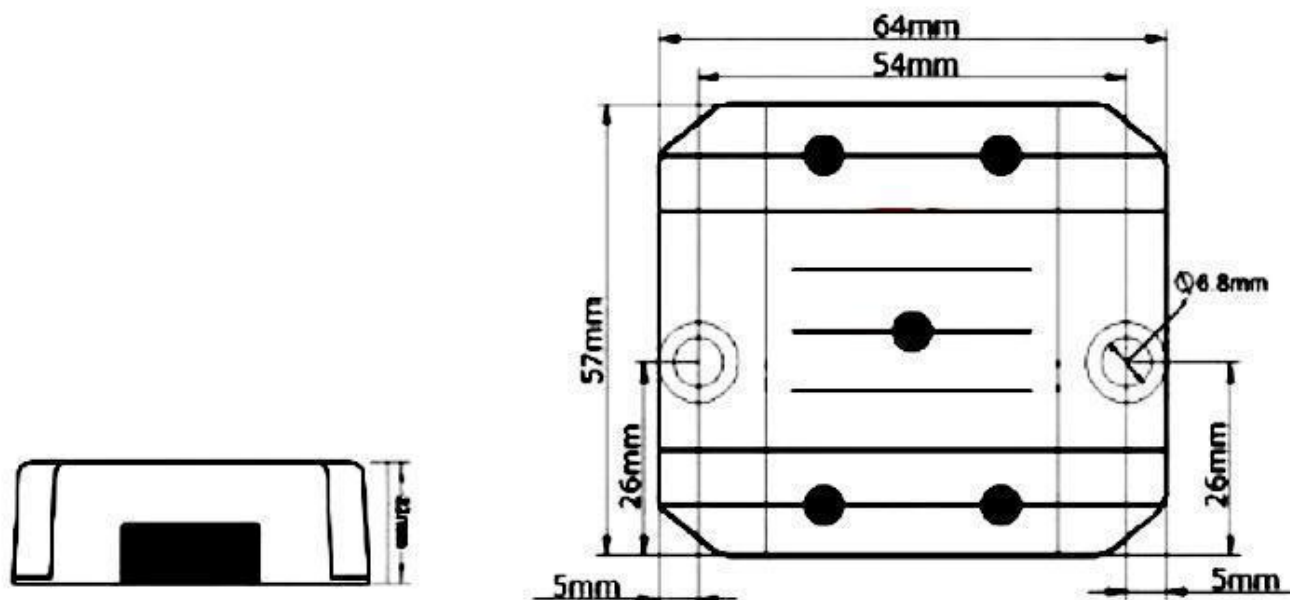
SKU	Model	Voltage Range	Input Voltage	Output Voltage	Output Current	Output Power	Efficiency	Size
ATO-IDCDC-2405	ATOWGI20-24S05M	18-36V	24V DC	5V DC	20A	100W	90%	74*74*29.5mm
ATO-IDCDC-2412	ATOWGI10-24S12M	18-36V	24V DC	12V DC	10A	120W	92%	74*74*29.5mm
ATO-IDCDC-4805	ATOWGI20-48S05L	36-75V	48V DC	5V DC	20A	100W	91%	110*70*23mm
ATO-IDCDC-4812	ATOWGI10-48S12L	36-75V	48V DC	12V DC	10A	120W	92%	110*70*23mm
ATO-IDCDC-4824	ATO-SY2D120K4824	30-60V	48V DC	24V DC	5A	120W	91%	74*74*32mm
ATO-IDCDC-7212	ATOWGI08-72S12L	50-90V	72V DC	12V DC	8A	96W	92%	110*70*20mm

Dimensions

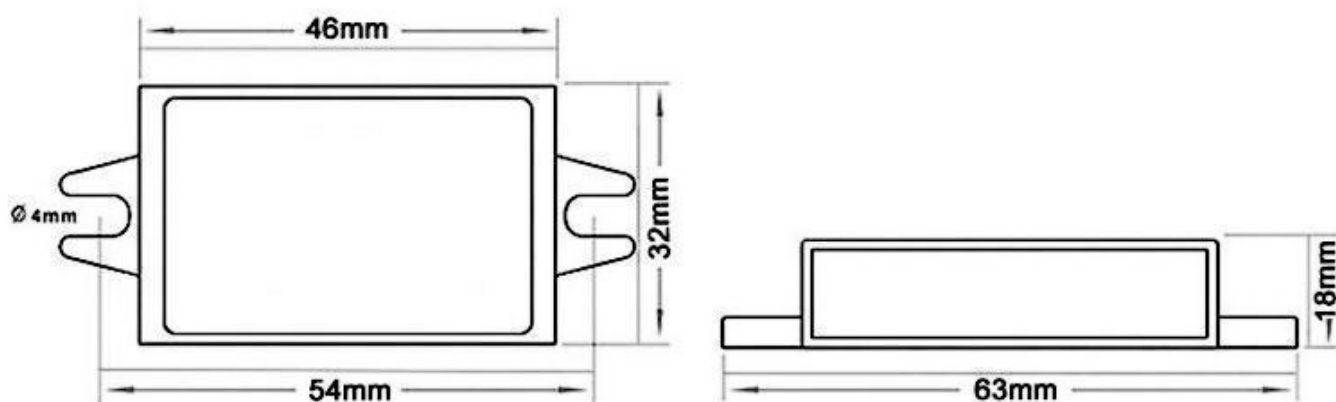
➤ 41*27*14mm



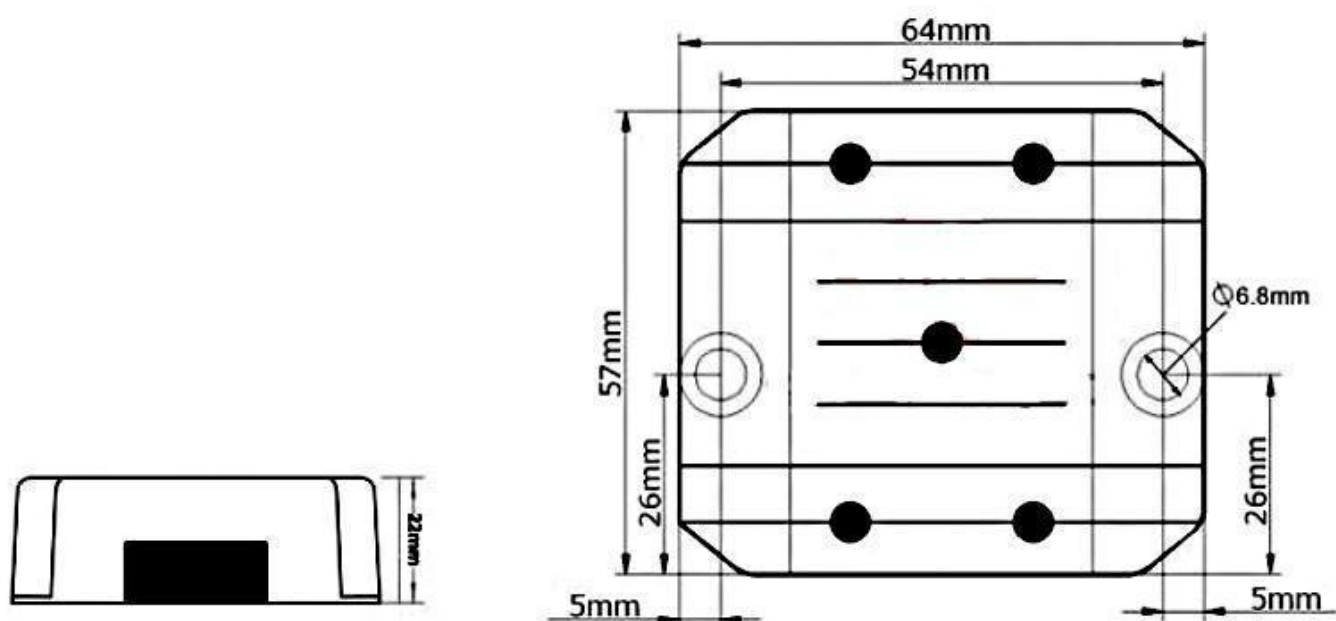
➤ 57*64*22mm



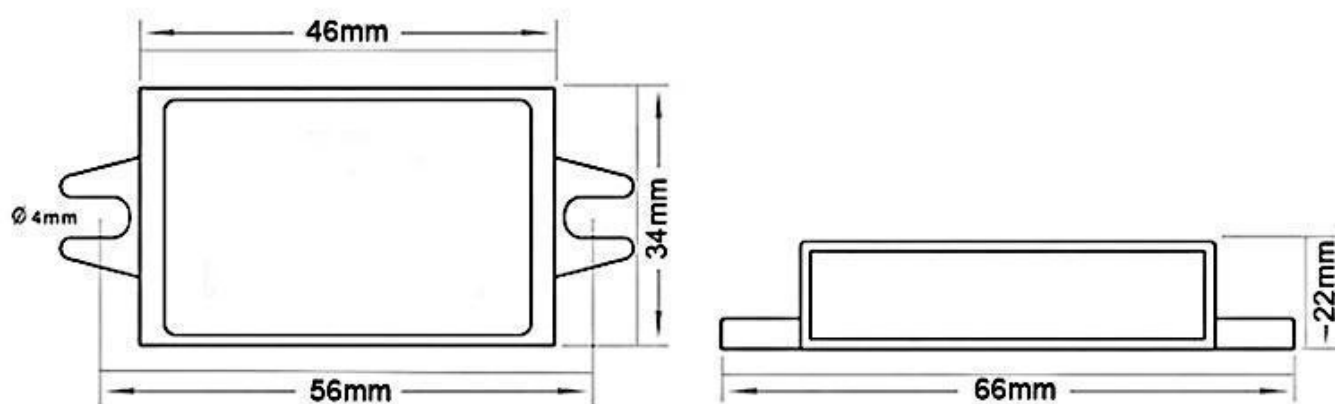
➤ 63*32*18mm



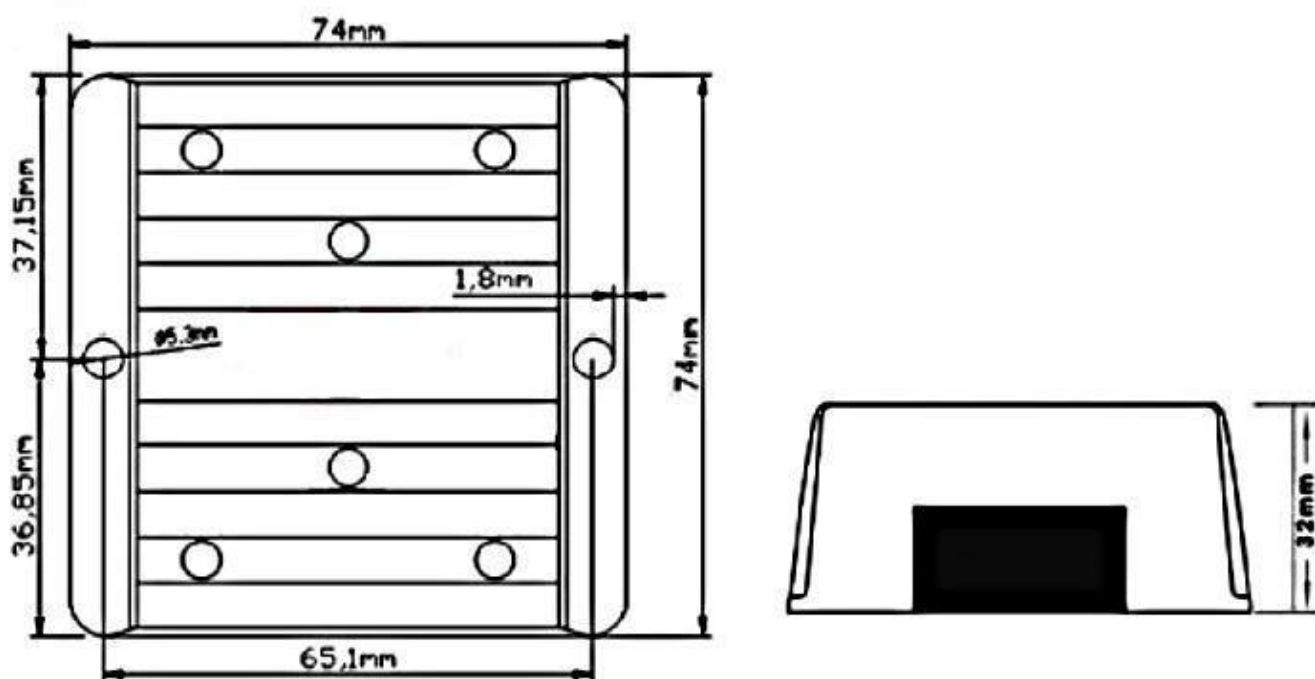
➤ 64*57*22mm



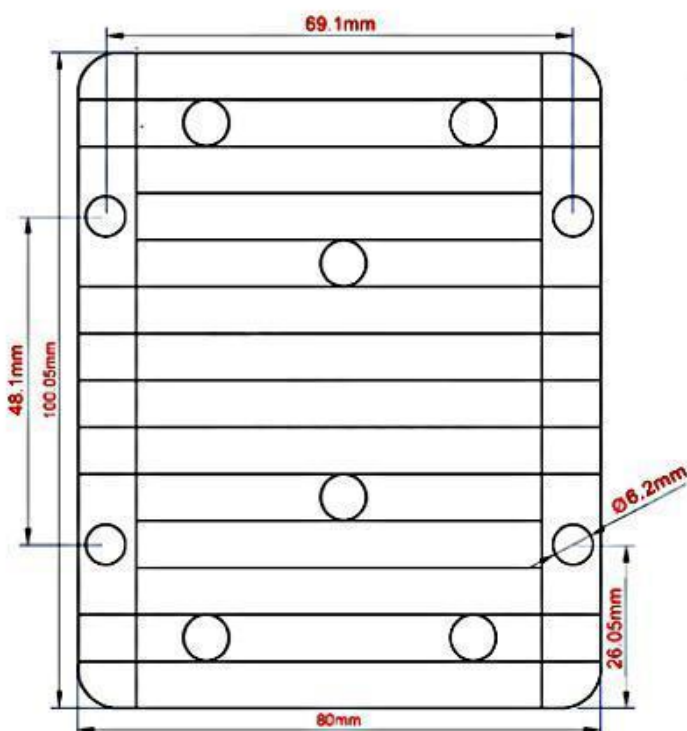
➤ 66*34*22mm



➤ 74*74*32mm



➤ 100*80*39mm

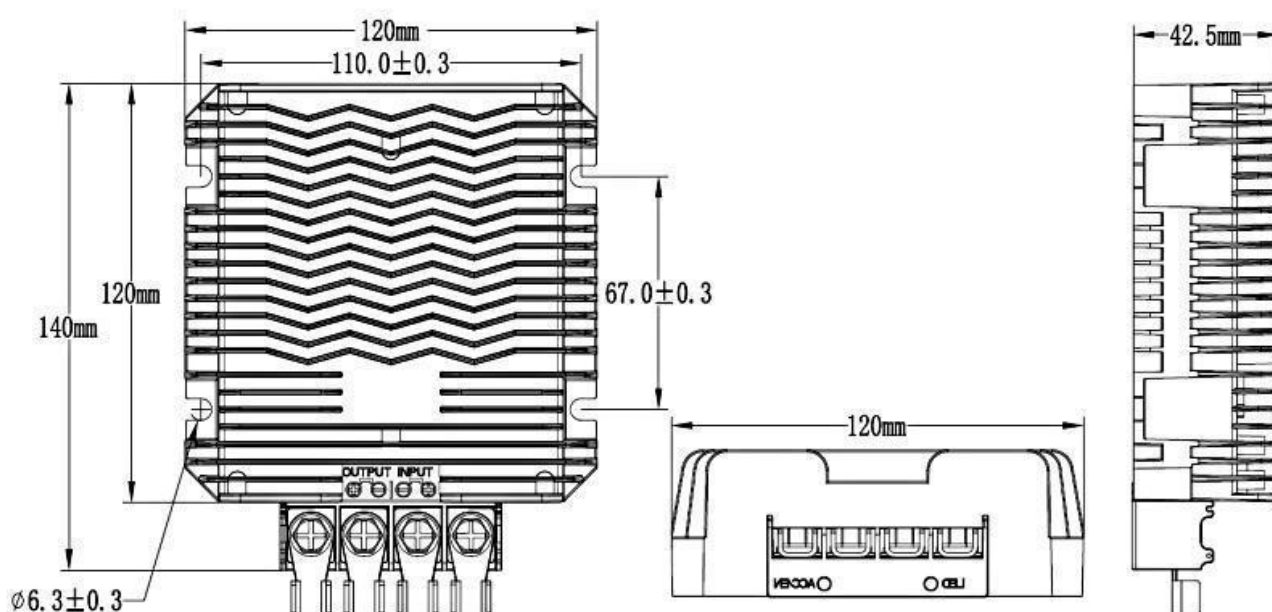


Shell installation diagram

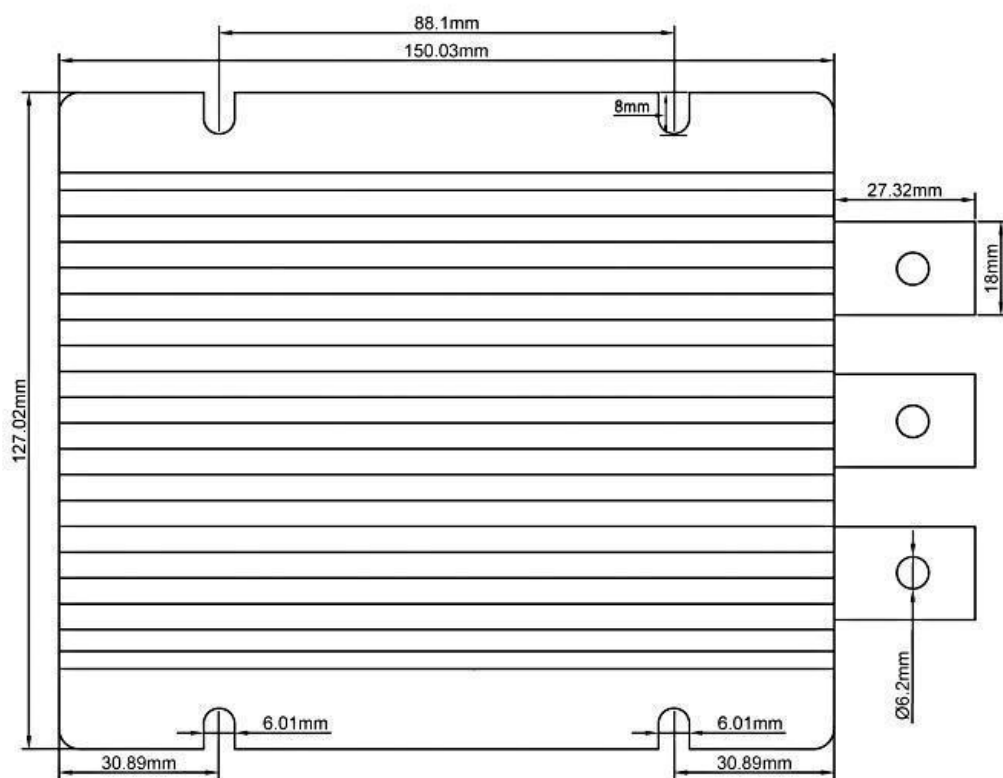
Thickness : 39mm



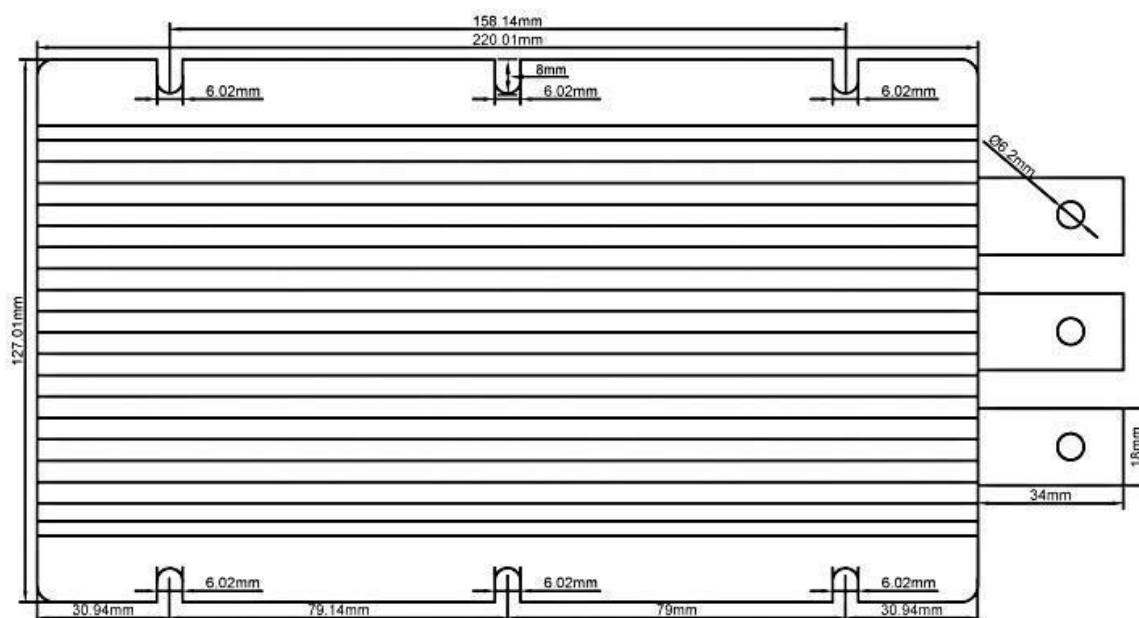
➤ 140*120*42.5mm



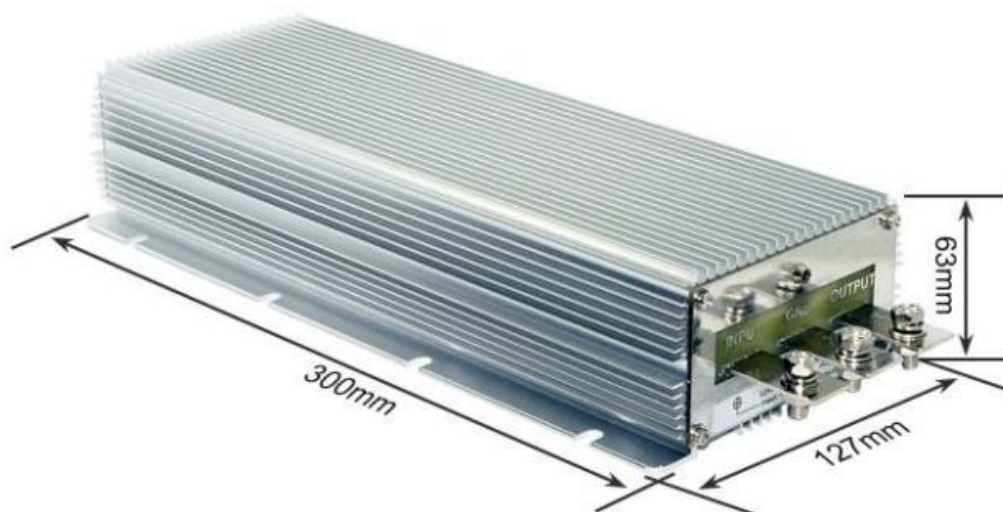
➤ 150*127*63mm



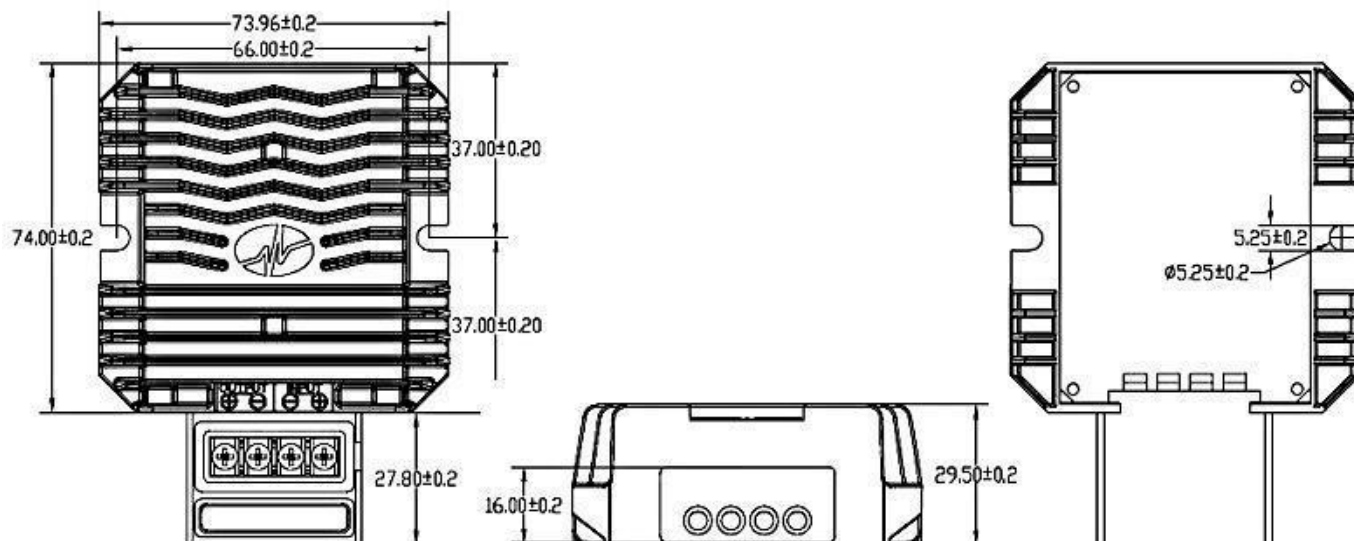
➤ 220*127*63mm



➤ 300*127*63mm



➤ 74*74*29.5mm



➤ 110*70*23mm

