



OIL PUMP

Technical Spec

ECOTRONS LLC

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Note: If you are not sure about any specific details,
please contact us at info@ecotrons.com.

Product:

Oil Pump

Part # :

EOPS02

Comment:

All data given in this document are nominal values
and might be subject of change at all time

Index	Page	Revision	Date	note
1	----	First Edition	12.10.2013	V1.3
2	----	Second Edition	12.16.2013	V1.3.1
3	----	Third Edition	1.2.2014	V1.3.2
4	----	Fourth Edition	2.13.2017	V1.3.3

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General

Compared with other similar products, the oil pump has a wide range of the supply voltage, stable flow rate; the range of working voltage is the rated voltage, plus or minus 20%. So, it can provide a stable oil flow even with the over charged or under-charged battery. The environment temperature is from -40 degree to 80 degree C. The product also has a wire-short protection for the reverse voltage. At the same time, the product is designed to be water proof. The oil pump has small volume, light weight, low power consumption, less vibration, low noise, long service life, and it also can continue to work with stop for more than 2000 hours.

1 Characteristic

1.1 Pictures of Oil pump



1.2 The main technical parameters

Rated voltage:	12V
Start voltage:	9V
Rated current:	1.3A
Rated power:	16W
Full flow without pressure:	60L/H
Oil pressure without oil flow:	0.7bar
Dry suction :	0.7m
Weight	620g

Note:

The flow rate is inversely proportional to the oil pressure, to get the maximum flow and then the oil pressure is 0 (gauge pressure), and when the oil pressure is 0.7 Bar when the flow rate is 0, so if you want the Max oil flow, please set the lower pressure and it also is helpful to dissipate the pump heat.

So the advice of using the oil pump is to control oil pressure lower than 0.3 bar, typically, 2-5 psi.

2 Applications and Installation instructions

2.1 Applications

The oil pump is used to provide necessary oil pressure for the turbocharger oil circulation.

2.2 installation instructions

The Oil pump is powered by 12V DC.

The Red wire from the Oil pump is to 12+, and the black wire is to 12V-.

Installation dimensions:

