



## Declaration of Conformity

We, Sleipner Motor AS hereby Declare that following Side-Power products complies with the EC Directives and Standards:

<b>Directive 2013/53/EU Recreational Craft Directive</b>	
<b>Directive 2014/35/EU - Low Voltage equipment</b>	
<b>Directive 2014/30/EU Electromagnetic Compatibility - EMC</b>	
<b>EN 60533 (2015) Electrical and electronic installation in ships - EMC</b>	
PPC 520/520-IP	Power Control Proportional 500A
PPC 820/820-IP	Power Control Proportional 1000A

*Arne Skauen*  
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FREDRIKSTAD, 20th of January 2017

Arne K Skauen  
Managing Director, Sleipner Motor AS

## PPC 820/820-IP and PPC 520/520-IP DC Speed Controller

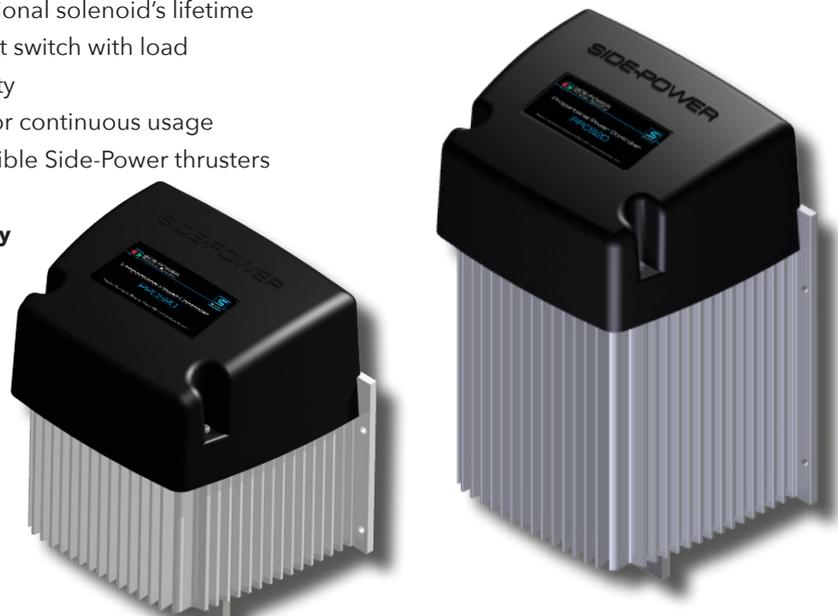
*The DC Power Controller is built with the same high safety standards as all Side-Power products. Our focus on safety is a totally integral part of the product design so that everything from build quality to ease of installation is thought of to ensure long term reliability.*

This controller becomes an integral part of the thruster system together with the S-Link PJC21x series control panels and have intelligent safety features monitoring both the thruster motor as well as its own function and performance. (S-link software version 2.018 required)

### Product features

- Plug and play S-link control cable wiring
- Easy to access, robust main cable terminals
- Reliable solid state switching
- Increases the thruster's directional solenoid's lifetime because the solenoids will not switch with load
- IPC intelligence for extra safety
- Low loss and active cooling for continuous usage
- Can be retro-fitted to compatible Side-Power thrusters

**NOTE! PPC-IP units are NOT Ignition Protected, they are only to be used in combination with SEP IP thrusters.**





Product Specifications Sheet



PPC 520

Compatible products

PPC 520
SEP/40/125 S 12V
SEP/50/140 S 12V
SEP/50/140 S 24V
SEP/60/185 S 12V
SEP/60/185 S 24V
SEP/SRP/SRVP/SRLP/SXP 80/185 T 24V
SEP/SRP/SRVP/SRLP/SXP 100/185 T 24V
SEP/120/215 T 24V
SEP/SRVP 130/250 T 24V

PPC 520-IP

Compatible products

PPC 520-IP
SEP/IP 40/125 S 12V
SEP/IP 50/140 S 12V
SEP/IP 50/140 S 24V
SEP/IP 60/185 S 12V
SEP/IP 60/185 S 24V
SEP/IP/ 80/185 T 24V
SEP/IP/ 100/185 T 24V
SEP/IP 120/215 T 24V
SEP/SRVP/SRVLP/IP 130/250 T 24V

PPC 820

Compatible products

PPC 820
SEP/SRP/SRVP/SRLP/SXP 80/185 T 12V
SEP/SRP/SRVP/SRLP/SXP 100/185 T 12V
SEP/SRVP 130/250 T 12V
SEP/150/215 T 24V
SEP/SRVP 170/250 TC 24V
SEP 210/250 TC 24V
SP/SEP 240 TCi 24V

PPC 820-IP

Compatible products

PPC 820-IP
SEP/IP/ 80/185 T 12V
SEP/IP/ 100/185 T 12V
SEP/SRVP/SRLP/IP 130/250 T 12V
SEP/IP 150/215 T 24V
SEP/SRVP/SRLP/IP 170/250 TC 24V



Thrust kg/lbs	Thruster Voltage	Model	Max output current
30/66 - 60/132	12 V	<b>PPC520/IP*</b>	500A
60/132 - 130/284	24 V		
80/176 - 130/284	12 V	<b>PPC820/IP*</b>	1000A
150/330 - 240/528	24 V		
IP* From 40kg/88lbs to 170kg/375lbs for IP thruster installations			

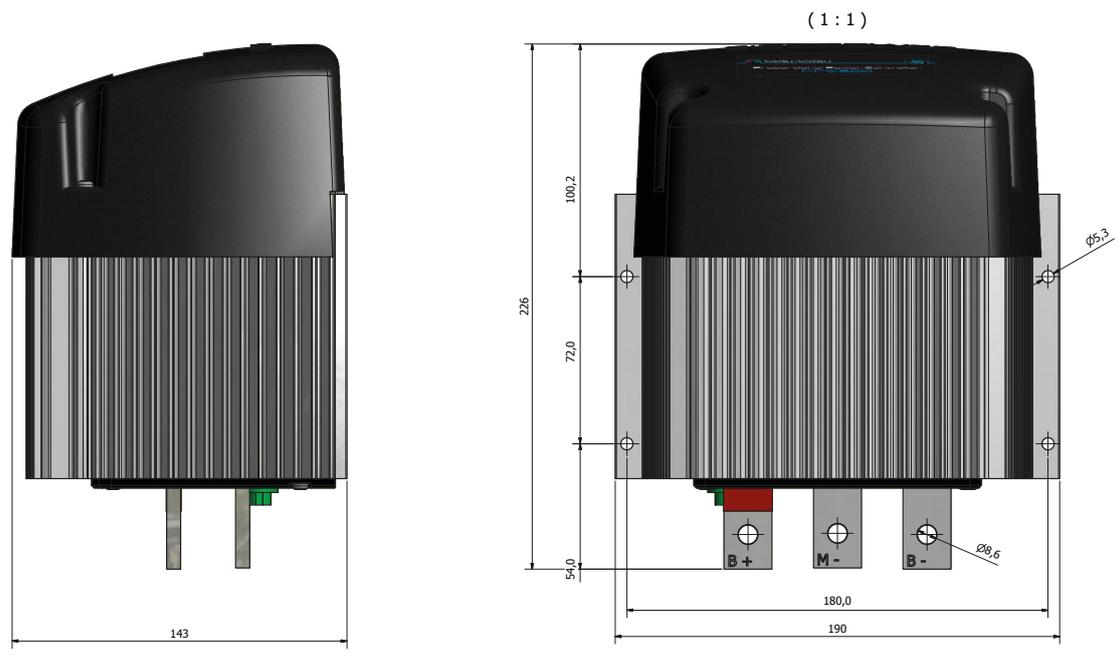


# PPC 520/PPC 520-IP

## Technical specifications

<b>Supply voltage</b>	9-31V
<b>Output voltage</b>	20-100%
<b>Output current</b>	Max. 500A
<b>Regulation</b>	PWM, S-link controlled
<b>Protection</b>	Thermal, under-voltage, overcurrent
<b>Dimensions (WxHxD)</b>	190x226x143mm

## Dimensions



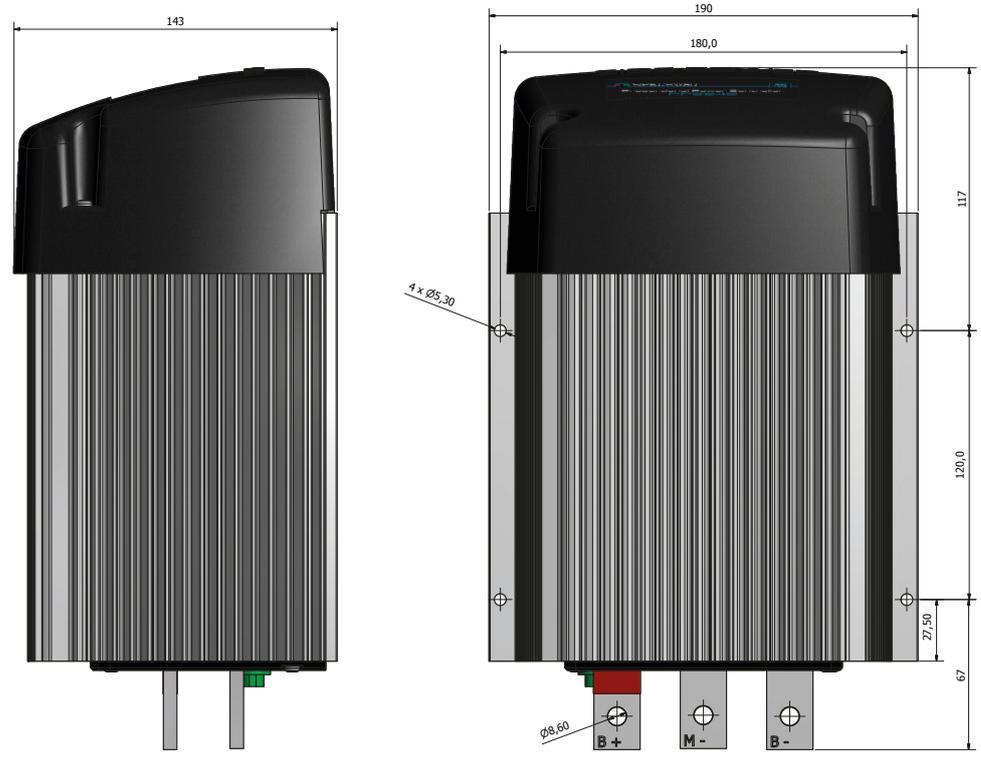


## PPC 820/PPC 820-IP

### Technical specifications

<b>Supply voltage</b>	9-31V
<b>Output voltage</b>	20-100%
<b>Output current</b>	Max. 1000A
<b>Regulation</b>	PWM, S-link controlled
<b>Protection</b>	Thermal, under-voltage, over-current
<b>Dimensions (WxHxD)</b>	190x304x143mm

### Dimensions



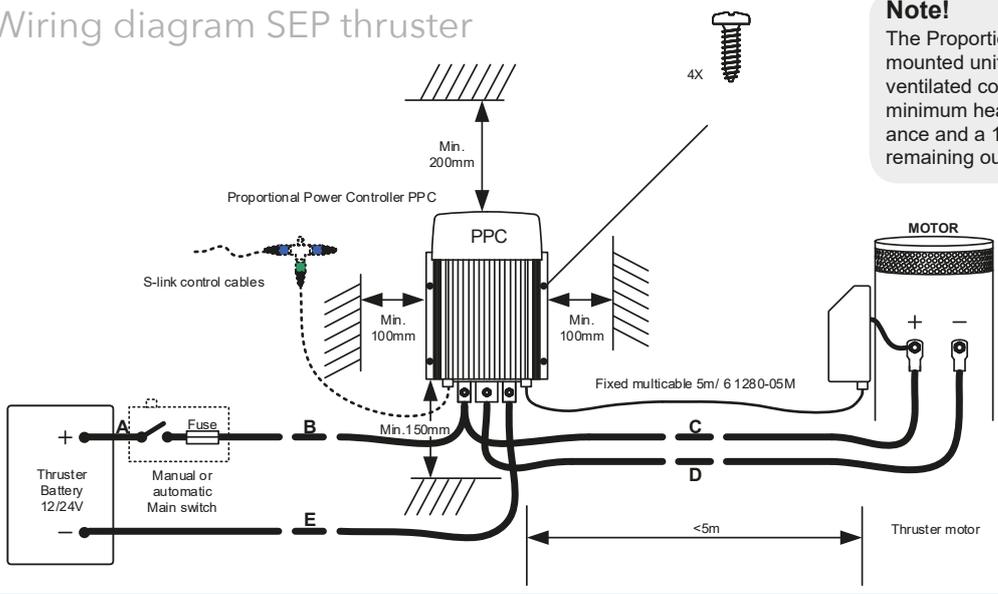


Product Specifications Sheet

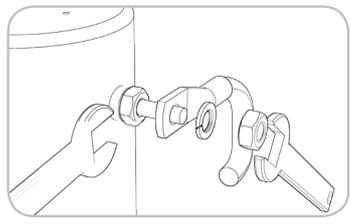


PPC 820/IP and PPC 520/IP

Wiring diagram SEP thruster

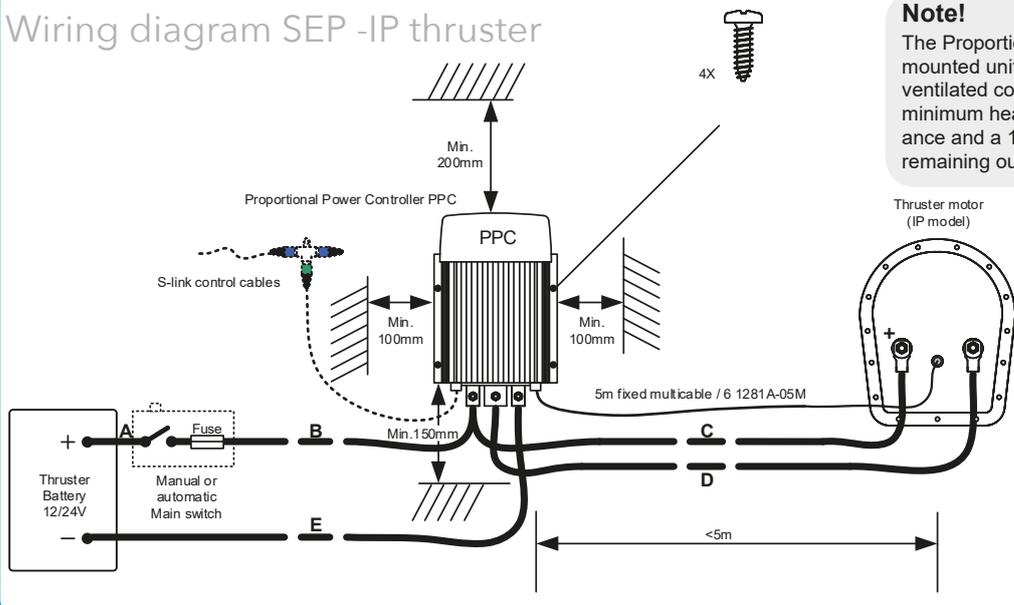


**Note!**  
The Proportional Power Controller is a bulkhead (wall) mounted unit and must be installed in a dry and well ventilated compartment. The unit also requires a 200mm minimum head clearance, 150mm minimum bottom clearance and a 100mm minimum clearance surrounding its remaining outer casing.

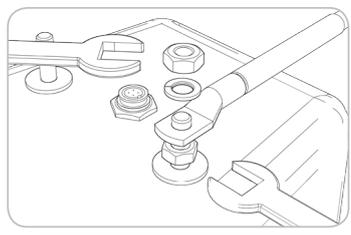


**Note!**  
Do NOT use washers between lugs and terminals, this can cause over heating. Washers must be placed in outer position before tightening nut.

Wiring diagram SEP -IP thruster



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