

**Got any questions?
We're here to help!**

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Do you have any questions or need personal advice? Schedule a consultation with one of our experts to find the best propulsion solution for your customer and application.



Masters
in electric
propulsion



Pod 50

Continuous power output 3,5 kW

The Pod 50 provides quiet, powerful performance with efficient direct drive technology. Made from seawater-resistant materials, it is durable, low-emission, and easy to install.

Specs

Technical data	
Motor type	SMPM
Frame size	50 EL
Nominal bus voltage	48 VDC
Model	POD
Maximum stator current	127,53 A
Rated speed	1500 min ¹
Rated voltage	48 VDC
Min. voltage	43,2 VDC
Motor constant	0,27 Nm/A
Rated phase current	81,64 A
Rated torque	22,00 Nm
Rated power S1 @ 24VDC 1500rpm	3456 Watt
Peak power S2-10	5073 Watt
Constant Electric	17,47 V/k-rpm
Induction LS	0,25 mH
Resistance of winding	39,019 mΩ
Winding class	F
Max. operating temperature	120°C
Weight	22 kg
Efficiency @ rated speed-torque	93,44%
Number of poles	12

Torque map	RPM	Nm
Standstill peak	0	35,00
Limit point	1400	34,60
No load max	1840	1,11
Standstill nominal	0	23,44
Utilizable	1400	22,12
No load max	1840	1,11

Controller	Type	48-275
Nominal voltage	48 VDC	
Continuous current (60min.)	110 A	
Peak current (2min.)	275 A	
Boost current (10sec.)	330 A	
Cooling	Heatsink	
Max. amb. temp.	42°C	
Efficiency	95,5%	

Dimensions (enclosure)	Height	300 mm
Width	300 mm	
Depth	220 mm	
Weight	9,5 kg	
IP	54	

Joystick	Cycle live (more than)	2 Million
Weight	0,85 kg	
IP	55	

Optional	Dc-dc converter
Input voltage	48 VDC
Input current	5 A
Output voltage	12 VDC
Output current	20 A