

# Arka POD 2,0 kW

Technical data	Motor	
Motortype	SMPM	
Framezise	50	M
Nominal Bus voltage	48	VDC
Model	POD	
Maximum stator current	68,43	A
Rated speed	1500	min <sup>1</sup>
Rated Voltage	48	VDC
Min. Voltage	43,2	VDC
Motor constant	0,30	Nm/A
Rated Phase Current	42,49	A
rated Torque	12,80	Nm
Rated power S1 @ 48VDC 1500rpm	2011	Watt
Peak power S2-10	2654	Watt
Constant Electric	19,53	V/k-rpm
Induction Ls	0,053	mH
Resistanse of winding	79,532	mΩ
Winding class	F	
Max. operating temperature	120	°C
Weight	18	kg
Efficiency @ rated speed-torque	92,87	%
Number of poles	12	

Torque map	RPM	Nm
<i>Standstill Peak</i>	0	21,00
<i>Limit point</i>	1220	20,77
<i>No load Max</i>	1640	0,64
Standstill Nominal	0	13,57
Utilizable	1400	12,85
No load Max	1640	0,64

Controller		
Type	48-275	
Nominal voltage	48	VDC
continuos 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:		
<i>Dc-dc converter</i>		
Input voltage	48	VDC
input current	5	A
Output voltage	12	VDC
Output current	20	A

Motordata according to: IEC 60034-1:2022