

Arka POD 1,0 kW

Technical data	Motor	
Motortype	SMPM	
Framezise	50	XS
Nominal Bus voltage	24	VDC
Model	POD	
Maximum stator current	87,67	A
Rated speed	1500	min ¹
Rated Voltage	24	VDC
Min. Voltage	21,6	VDC
Motor constant	0,1171	Nm/A
Rated Phase Current	53,186	A
rated Torque	6,4525	Nm
Rated power S1 @ 24VDC 1500rpm	1014	Watt
Peak power S2-10	1753	Watt
Constant Electric	7,62	V/k-rpm
Induction Ls	0,175	mH
Resistance of winding	40,33	mΩ
Winding class	F	
Max. operating temperature	120	°C
Weight	14	kg
Efficiency @ rated speed-torque	92,91	%
Number of poles	12	

Torque map	RPM	Nm
<i>Standstill Peak</i>	0	10,50
<i>Limit point</i>	1610	10,40
<i>No load Max</i>	2220	0,21
Standstill Nominal	0	4,76
Utilizable	1980	4,29
No load Max	2220	0,21

Controller		
Type	24-300	
Nominal voltage	24	VDC
continuous current (60min.)	120	A
Peak current (2min.)	300	A
Boost current (10sec.)	360	A
Cooling	Heatsink	
Max. amb. Temp.	42	°C
Efficiency	95,4	%

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	24	VDC
input current	10	A
Output voltage	12	VDC
Output current	20	A

Motordata according to:

IEC 60034-1:2022