

Arka Quatro 4,0 kW

Technical data	Motor	
Motortype	SMPM	
Framezise	50	EL
Nominal Bus voltage	51,2	VDC
Model	POD	
Maximum stator current	146,66	A
Rated speed	1500	min ¹
Rated Voltage	51,2	VDC
Min. Voltage	46,08	VDC
Motor constant	0,27	Nm/A
Rated Phase Current	93,886	A
rated Torque	25,30	Nm
Rated power S1 @ 51,2VDC 1500rpm	3974	Watt
Peak power S2-10	6042	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	40,25
Limit point	1450	39,79
No load Max	1900	1,27
Standstill Nominal	0	26,96
Utilizable	1400	25,44
No load Max	1900	1,27

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:		
<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