

Inverter Power Specifications

The following tables list power specifications for the inverter section that resides within an integrated axis module or an axis module.

IAM Inverter Power Specifications

Attribute	2093-AC05-MP1	2093-AC05-MP2	2093-AC05-MP5
Bandwidth Velocity Loop ⁽¹⁾ Current Loop	500 Hz 860 Hz		
PWM frequency	8 kHz		
Nominal input voltage	325V dc		
Continuous current (rms)	1.0 A	2.0 A	3.0 A
Continuous current (0-pk)	1.41 A	2.83 A	4.24 A
Peak current (rms)	3.0 A	6.0 A	9.0 A
Peak current (0-pk)	4.20 A	8.48 A	12.7 A
Peak output current time, max	3 s from 0% drive utilization (0% soak)		
Continuous power out, nom	0.3 kW	0.6 kW	0.9 kW
Efficiency	98%		
Capacitance	200 μ F		
Capacitive energy absorption	7.5 J		
Inverter PCB leakage current	1 mA		

⁽¹⁾ Bandwidth values in the velocity loop vary based on tuning parameters and mechanical components.

AM Inverter Power Specifications

Specification	2093-AMP1	2093-AMP2	2093-AMP5	2093-AM01	2093-AM02
Bandwidth ⁽¹⁾ Velocity Loop Current Loop	500 Hz 860 Hz				
PWM frequency	8 kHz				
Nominal input voltage	325V dc				
Continuous current (rms)	1.0 A	2.0 A	3.0 A	6.0 A	9.5 A
Continuous current (0-pk)	1.41 A	2.83 A	4.24 A	8.48 A	13.4 A
Peak current (rms)	3.0 A	6.0 A	9.0 A	18.0 A	28.5 A
Peak current (0-pk)	4.20 A	8.48 A	12.7 A	25.5 A	40.3 A
Peak output current time (max)	3 s from 0% drive utilization (0% soak)				
Continuous power out (nom)	0.3 kW	0.6 kW	0.9 kW	1.9 kW	3.0 kW
Efficiency	98%				
Capacitance	200 μ F			540 μ F	
Capacitive energy absorption	7.5 J			20 J	
Inverter PCB leakage current	1 mA				

⁽¹⁾ Bandwidth values vary based on tuning parameters and mechanical components.