

Power Specifications

This section contains power specifications for your Kinetix 6000 system components.

Integrated Axis Module (converter) Power Specifications

IAM (230V) Power Specifications

Specification	Description				
	2094-AC05-MP5-S	2094-AC05-M01-S	2094-AC09-M02-S	2094-AC16-M03-S	2094-AC32-M05-S
AC input voltage	195...264V rms three-phase (230V nom)				
AC input frequency	47...63 Hz				
Main ac input current ⁽¹⁾ Nom (rms) Max inrush (0-pk)	10 A 20 A		19 A 33 A	36 A 65 A	71 A 120 A
DC input voltage (common bus follower)	275...375V dc				
DC input current (common bus follower)	10 A		19 A	36 A	71 A
Control power ac input voltage	95...264V rms single-phase (230V nom)				
Control power ac input current Nom (@ 220/230V ac) rms Nom (@ 110/115V ac) rms Max inrush (0-pk)	3 A 6 A 20 A			3 A 6 A 83 A ⁽²⁾	
Nominal bus output voltage	325V dc				
Line loss ride through	20 ms				
Continuous output current to bus (A_{dc})	10 A		19 A	36 A	71 A
Intermittent output current to bus (A_{dc}) ⁽³⁾	20 A		38 A	72 A	142 A
Bus overvoltage	425V dc				
Bus undervoltage	138V dc				
Internal shunt Continuous power Peak power	N/A N/A		50 W 8000 W	200 W 5600 W	200 W 5600 W
Internal shunt resistor	N/A		20 Ω	28.75 Ω	28.75 Ω
Shunt on	N/A				
Shunt off	N/A				
Continuous power output to bus	3 kW		6 kW	11.3 kW	22.5 kW
Peak power output	6 kW		12 kW	22.6 kW	45.0 kW
Efficiency	95%				
Converter inductance	N/A			150 μ H	75 μ H
Converter capacitance	270 μ F		540 μ F	1320 μ F	1980 μ F

⁽¹⁾ All 2094-xCxx integrated axis modules are limited to 2 contactor cycles per minute (with up to 4 axis modules), or 1 contactor cycle per minute (with 5 to 8 axis modules).

⁽²⁾ Maximum inrush duration is less than 1/2 line cycle.

⁽³⁾ Intermittent output current duration equals 250 ms.