

AC – DC Rectifier

AJN – 28V-360A-LQ

Section	Parameters	Specifications	Units
Output	DC Voltage max	28, +/-5%	Vdc
	Power module	10	kW
	Current/module	358	Amps
	Ripple & noise	1% peak to peak	
	Line regulation	+/- 1%	
	Load regulation	+/- 1%	
	Transient response	<5% for 10 to 90% load jump	
	Transient recovery	100	ms
	Parallel operation	Up to 5 units at output	
	Construction	Backplane blind mate	
Input	Voltage range	3 phase 3 wire, delta connected, 415, +/-15%	
	Frequency range	50/60Hz, auto range, 45 to 65 Hz	
	Power factor	Power factor corrected (Passive PFC)	
	Power factor range	> 0.8	
	Efficiency (Typ.)	> 85 %	
Protection	Overload	105% of rated power	
	Overload trip	110% of output power	
	Output protection	Short circuit, over current, Under Voltage & over voltage	
	Input Over/under voltage	< +/- 15% of input voltage	
	Short circuit protection	At output	
	Surge protection	Provided	
User Interface	Over temperature	Trip output power, restart after temperature fallback	
	Input	MCB – Turn OFF/ON	
	Sequence ON	Push button in front panel	
	Display	Display all states of the unit, alarm notifications and measurable parameters	
	Fault alarm	Input over/Under voltage, Output short circuit, Over temperature	
Environment	Communication	Ethernet LAN - UDP protocol (User Datagram Protocol)	
	Coolant connection	One inlet & one outlet	
	Operating temperature	-20 to +55	Deg C
	Storage temperature	-30 to +70	Deg C
	Humidity	20 to 95% non-condensing	
Physical Parameters	Altitude	4160	Meters
	Type of cooling	Liquid cooled	
	L x W x H (Module)	504 x 480 x 112	mm
	L x W x H (5 Modules in pack)	650 x 700 x 650	Mm
	Weight per module	25	Kgs
	Weight (5 modules in pack)	270	Kgs
Others	Accessibility	Front	
	Construction	Modular rack assembly – blind mate	
	EMC immunity	Meet MIL-STD-461E	
	EMC emission	Meet MIL-STD-461E	
	Warranty	3	Years