

# AC-DC Rectifier – 10kW, 28V

AJN-28V-360A-3P-LQ

Section	Parameters	Specifications
Output	DC Voltage max	28V DC +/-5%
	Power module	10kW
	Current/module	358A
	Ripple & noise	1% peak to peak
	Line regulation	+/- 1%
	Load regulation	+/- 1%
	Transient response	<5% for 10 to 90% load jump
	Transient recovery	100ms
	Parallel operation	Up to 5 units at output
	Construction	Backplane blind mate
	Input	Voltage range
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
	Over Temperature	Trip output power, restart after temperature fallback
User Interface	Input	MCB – Turn OFF/ON
	Sequence ON	Push button in front panel
	Display	All states of the unit, alarm notifications & measurable parameters
	Fault alarm	Input over/Under voltage, Output short circuit, Over temperature
	Communication	Ethernet LAN - UDP protocol (User Datagram Protocol)
	Coolant connection	One inlet & one outlet
Environment	Operating temperature	-20 to +55°C
	Storage temperature	-30 to +70°C
	Humidity	20 to 95% non-condensing
	Altitude	4160m
	Type of cooling	Liquid cooled
Physical Parameters	LxWxH (Module)	504 x 480 x 112mm
	LxWxH (5 Modules in pack)	650 x 700 x 650mm
	Weight per module	25Kg
	Weight (5 modules in pack)	270Kg
	Accessibility	Front
	Construction	Modular rack assembly – blind mate
Others	EMC immunity	Meet MIL-STD-461E
	EMC emission	Meet MIL-STD-461E
	Warranty	3 years

Note: The technical data present in this document is for information purpose only and is subject to change without prior notice. Should you require more information, please reach us at [info@zepcotek.com](mailto:info@zepcotek.com)