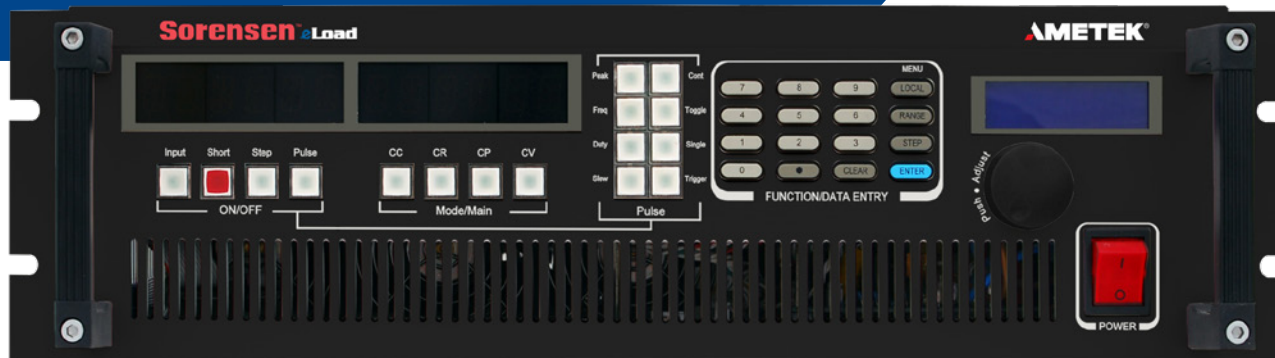


# AIR-COOLED PLA SERIES

## ELECTRONIC LOADS



### Advantages:

- Broadest Model Selection: 800W to 7.5kW (higher power available up to 250kW, Contact Factory)
- Exclusive Voltage Models: 60V to 1000V
- Multiple loads in one: Multiple ranges for voltage, current resistance and power
- Intuitive Front Panel Control: Run sequences, triggers, constant current to constant power cross over
- RoHS Compliant

Traditional DC Electronic Load Solutions are bulky and large in size. Most are offered with standard voltage, current and power ratings. In the ATE world, rack space is a highly coveted asset and application demands are constantly diversifying with new technology development.

AMETEK Programmable Power's Sorensen brand PLA Series "Air-cooled" DC Electronic eLoads offers the industry's smallest footprint, the highest power density and current rating, along with the broadest selection of high voltage models on the market. PLA models are capable of being custom-tailored to meet your application requirements.

### Key Features

#### Closed-case Calibration

With the Sorensen eLoad line, there's no longer a need to send your electronic load back to the factory for calibration or remove dozens of screws to reach a potentiometer. Simply follow the calibration routine from the front panel and you should be back up and running in a very short period of time (some electronic test equipment needed). This will virtually eliminate downtime and eradicate the annual cost associated with shipping your eLoad back to the factory for calibration.

#### Individual FET Protection

To ensure the reliability of the PLA Series, the design includes individual FET protection. A programmable electronic load may contain many FETs in parallel, which can create a cascading failure if one of them was to short out. The PLA eLoad programmable electronic load design isolates failures so other components will not be affected or stressed, increasing the system's level of protection against catastrophic failure. With individual FET protection, the MTTR is reduced and the electronic load quickly returns to full operation.

#### Ultra-low Voltage Operation

The PLA design allows the programmable electronic load to operate at voltage levels approaching 0.1V. They will typically dissipate full rated current below 1% of their maximum rated voltage. For example, a 60V unit designed to dissipate 1500A will allow the user to operate at 0.6V and still dissipate the full amount.

PLA SELECTOR GUIDE		5A	12A	15A	20A	30A	50A	60A	75A	100A	120A	150A	200A	240A	300A	360A	400A	500A	600A	800A	1000A	1200A	1500A	
MODEL	VOLT																							
PLA800	60V																							
	120V																							
	400V																							
	600V																							
	800V																							
	1000V																							
PLA1.5K	60V																							
	120V																							
	400V																							
	600V																							
	800V																							
	1000V																							
PLA2K	60V																							
	120V																							
	400V																							
	600V																							
	800V																							
	1000V																							
PLA2.5K	60V																							
	120V																							
	400V																							
	600V																							
	800V																							
	1000V																							
PLA3K	60V																							
	120V																							
	400V																							
	600V																							
	800V																							
	1000V																							
PLA4K	60V																							
	120V																							
	400V																							
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	800V																							
	1000V																							
PLA5K	60V																							
	120V																							
	400V																							
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	800V																							
	1000V																							
PLA6K	60V																							
	120V																							
	400V																							
	600V																							
	800V																							
	1000V																							
PLA7.5K	60V																							
	120V																							
	400V																							
	600V																							
	800V																							
	1000V																							

**ORDERING INFORMATION**

PLA 7.5K - 180 - 150 **OPTIONS**

POWER (MAX)      VOLTAGE (MAX)      CURRENT (MAX)

OPTIONS, IF ANY:  
 E = ETHERNET INTERFACE  
 I = ISOLATED ANALOG INPUT  
 UL = ULTRA-LOW RANGE

