

LPS168 Features and Specifications

- Copper free water cooling system.
- High speed switching electronics improving switching losses.
- Low saturation voltage switching electronics to improve conduction losses.
- Internal mains contactor eliminating the need of an external contactor.
- Electronic soft start to reduce wear and improve reliability.
- Extensive monitoring to protect against faults.
- Can be controlled via Profibus.
- Built in hour meters to monitor operating and cutting times.
- 2 digit display to indicate operating status.
- LED indication of various operating states.
- Self regulating output to provide stable output power.
- Reports when servicing is due.
- Built in pulse generator.
- USB interface for commissioning purposes.
- Programmable pulse profiles.
- Ramping function based on feedrate.
- 20KW capacity.



Logic Power Supply Specifications

Rating	Min	Typ	Max	Units
Supply Voltage	22.0	24.0	30.0	V
Supply Current	400	600	750	mA
Fuse Rating	-	T2.0A	-	

Output Specifications

Rating	Min	Typ	Max	Units
Output Voltage	900	1200	1400	Vp-p
Peak Current	-	-	150	Apk
Trip Current	-	-	50.0	Aave
Carrier Freq.	-	17.25	-	KHz

Mains Specifications

Rating	Min	Typ	Max	Units
Phases	2	3	3	phases
Voltage	300	400	500	Vrms
Startup Current	-	-	5.0	Arms
Frequency	40	50	70	Hz
Current	0.0	15.0	-	Arms

Pulsar Specifications

Rating	Min	Typ	Max	Units
Frequency	0	-	10.000	KHz
Duty Cycle	0	-	100	%

Protection Mechanisms

- Under voltage shutdown.
- Over voltage shutdown.
- Peak current protection.
- Desaturation protection.
- Leakage current protection. (Earth Leakage).
- Over current protection.
- Temperature warning and shutdown.
- Power electronics rated to 200A.