

# NEPTUNE LS10-30kVA

1 Phase Servo Motor Stabilizer / AVR

## FEATURE

- Advanced Digital Microprocessor Control
- Automatic Voltage Regulation 220Vac  $\pm$  3%
- Servo Motor Regulation output control
- Input Voltage range 220Vac (140-264Vac)
- Output Over & Under Voltage Protection
- Short Circuit & Overload Protection
- Switch Delay Output Function 6/120ms
- EMI & RFI Noise Filter - 60dB
- Surge, Sag, Noise, Spike Protection 320J (IC=8kA)
- LED Display Input Voltage, Output Voltage
- ISO9001 and ISO14001 MFG Certificated

## APPLICATION

- Factory Automation Equipment : CNC and EDM
- Measuring & Test Instrument
- Telecommunication & Industry Robot
- Production & Process Control Equipment
- Medical & Scientific Equipment
- Photographic & Printing Equipment
- Radar & Navigation Equipment
- Sensitive Electronic Equipment
- Home & Office Automation Equipment
- Studio & Broadcast Equipment



Digital  $\mu$ P



LED Display



Stabilizer / AVR



Industrial



Printing



Medical



Lab

## SPECIFICATIONS

MODEL	1 $\emptyset$ Servo Stabilizer	LS10K	LS15K	LS20K	LS30K
CAPACITY	Power PF0.8	10kVA / 8kW	15kVA / 12kW	20kVA / 16kW	30kVA / 24kW
TECHNOLOGY	System	$\mu$ P Microprocessor Hi-Precision Servo Motor Control			
INPUT	Input Voltage	220Vac (-35%, +20%) L-N+PE (140-264Vac)			
	Input Frequency	50/60 Hz +/-10% (45-65Hz)			
OUTPUT	Output Voltage	220Vac $\pm$ 3% L-N+PE			
	Output Frequency	50/60 Hz +/-10% (Synchronize Input)			
	Wave Form	Sine Wave (Synchronize Input Wave Form)			
	Efficiency	>98%			
	Overload Capability	Load 125% for 10mins, 150% for 1min, >150% 10sec. then cutoff			
PROTECTION	Output Power Factor	PF 0.8			
	Over Voltage	Automatic Cut off 265Vac			
	Under Voltage	Automatic Cut off 135Vac			
	Short Circuit / Overload	MCB - Circuit Breaker			
	High Temperature	Temperature Detect and Smart Fan Cooling control			
	Noise Filter	EMI and RFI suppression -60 dB			
	Transient & Surge Clamp	MOV : 350joules 320Vac to Std. UL1449 (8/20 $\mu$ sec Wave Form) 8kA (8/20 $\mu$ sec Wave Form) L-N			
INDICATOR	LED Display	AVR status Input, Power / Current, Delay, Fault			
	Digital Meter	Switch select : Input and Output Voltage : L-N			
CONNECTION	Input / Output Outlet	Terminal Block TR60 - 60A		Terminal Block TR120 - 120A	
STANDARD CE	LVD Safety	EN61558-1, EN61558-2, EN60076-1			
	EMC	EN55022, EN55024, EN61000			
ENVIRONMENT	Temperature	0-50°C			
	Humidity %RH	0-95% (Non-condensing)			
PHYSICAL	Dimension (WxDxH) mm	450x410x850		500x460x850	
	Weight (Kgs)	62	65	88	100

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