



Approval Marks



		Item	Value	Remark
Input		Nominal voltage	220–240V	
		Nominal frequency	50–60Hz	
		AC voltage range	198–264V	
		DC voltage range (start)	NA	
		DC voltage range (operation)	NA	
		Nominal current		
		LNC20W250LRP	90mA	
		LNC20W550LRP	100mA	
		LNC20W400LRP	105mA	
		LNC20W300/600LRP	110mA	
		LNC20W450LRP	115mA	
		LNC20W350LRP	125mA	
		LNC20W700LRP	130mA	
		Total Harmonic Distortion (THD)	< 20%	Full load @230VAC
		Power factor	0.9C-0.97	Min-load @ 240Vac and Full-load @ 220 Vac
		Displacement factor	0.9C-0.97	Min-load @ 240Vac and Full-load @ 220 Vac
		Efficiency	83%(Typ.)	Full load @230VAC
		No-load power	NA	
		Stand-by power	NA	
		Protection class	NA	
Output		Inrush current	6.5 A / 25 µs	
		Max.units per circuit breaker	Type B , 10A MCB	31
			Type B , 16A MCB	49
			Type C , 10A MCB	38
			Type C , 16A MCB	62
		Earth leakage current	NA	
		Nominal voltage range		
		LNC20W250/300/350LRP	34-57Vdc	
		LNC20W400/450/500LRP	22-41Vdc	
		LNC20W550/600/700LRP	17-29Vdc	
		Maximum voltage		
		LNC20W250/300/350LRP	63Vdc	
		LNC20W400/450/500LRP	50Vdc	
		LNC20W550/600/700LRP	35Vdc	

	Item	Value	Remark
Output	Nominal current range		
	LNC20W250LRP	250mA	
	LNC20W300LRP	300mA	
	LNC20W350LRP	350mA	
	LNC20W400LRP	400mA	
	LNC20W450LRP	450mA	
	LNC20W500LRP	500mA	
	LNC20W550LRP	550mA	
	LNC20W600LRP	600mA	
	LNC20W700LRP	700mA	
	Current accuracy	± 5%	
	Typical output LF current ripple	± 5%	Low Frequency<120Hz Full load @230VAC
	Starting time	< 0.5 S	Full load @230VAC
	Nominal power range		
	LNC20W250LRP	8.5-14.2W	
	LNC20W300LRP	10.2-17.1W	
	LNC20W350LRP	11.9-19.9W	
	LNC20W400LRP	8.8-16.4W	
	LNC20W450LRP	9.9-18.4W	
	LNC20W500LRP	11.0-20.5W	
	LNC20W550LRP	9.4-15.9W	
	LNC20W600LRP	10.2-17.4W	
	LNC20W700LRP	11.9-20.3W	
Dimming	Maximum power	21W	
	Dimming control	NA	
	Dimming technique	NA	
	PWM frequency	NA	
	Dimming range	NA	
	Lowest dimming current	NA	
	Galvanic isolation	NA	
Environment	Ambient temperature range t _a	-20°C - +50°C	
	Maximum case temperature t _c		
	LNC20W250/300/350LRP	75°C	
	LNC20W400/450/500LRP	75°C	
	LNC20W550/600/700LRP	80°C	
	Max. case temp. in fault condition	110°C	When operating under fault conditions, the temperature of the enclosure at any location should not exceed 110 °C
	Storage temperature range	-25°C - +85°C	
	Relative humidity	10% - 85%	
	Surge transient protection	1 kV	L/N
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 100,000	
	Expected lifetime	> 50,000 h, t _c 75 °C @ t _a 50 °C > 50,000 h, t _c 80 °C @ t _a 50 °C 0.2 % / 1,000 h failure rate > 80,000 h, t _c 65 °C @ t _a 40 °C > 80,000 h, t _c 70 °C @ t _a 40 °C 0.1 % / 1,000 h failure rate	

Packing	Gross weight/Carton	7.4 kg
	Net weight/Carton	6.0 kg
	Pcs/Carton	80 PCS
	Dimension/Carton	415(L)*255(W)*240(H)mm

Protections

Short-circuit Protection	Auto recovery
Open-circuit Protection	Auto recovery
Overload Protection	Auto recovery

Conformity & Standards

Safety standard:	EN 61347-1, EN 61347-2-13, EN 62493
Performance:	EN 62384
EMC standard:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547
SAA standard:	AS/NZS 61347.1, AS/NZS IEC 61347.2.13

Cable information

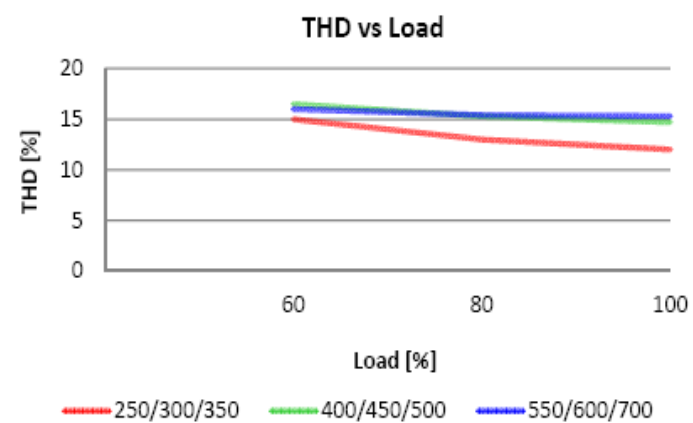
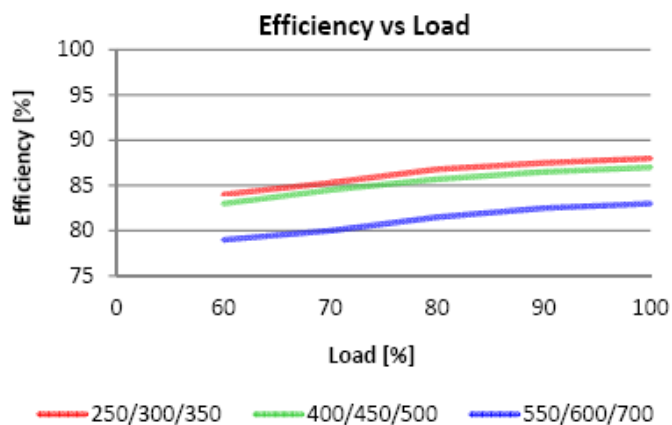
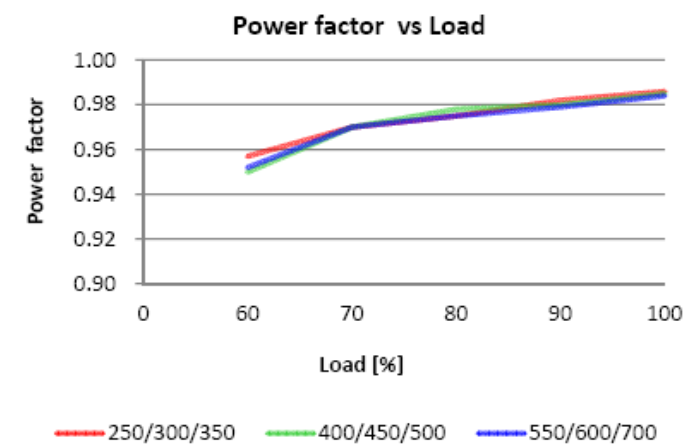
PRI Connection	L	N
Color	Brown	Blue
Wire type	7022	7022
Wire diameter	AWG18	AWG18
Wire length	140mm	140mm
Stripping	6mm	6mm
tolerance	±5mm	±5mm

Sec Connection	+	-
Color	Red	Black
Wire type	3385	3385
Wire diameter	AWG22	AWG22
Wire length	140mm	140mm
Strip length	6mm	6mm
tolerance	±5mm	±5mm

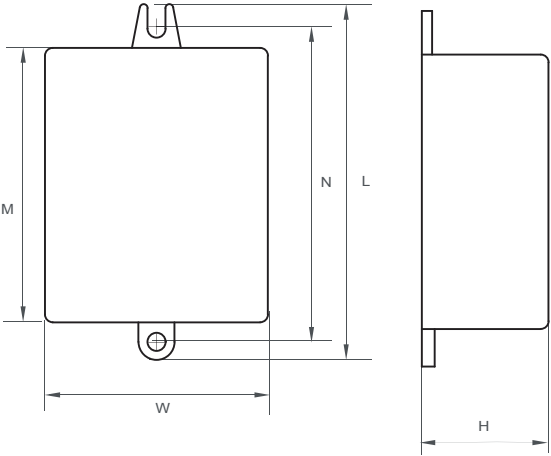
Subject to change without notice, HEP guarantees all products perform functionally well

*If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

Electrical Values



Physical
Parameter



L : 78.3 mm W: 43.5 mm
M : 63 mm H : 26 mm
N : 71 mm

Tolerance : +/-1 mm , R : +/-0.5 mm

Housing Material : Polycarbonate
Soldering Lead-Free, Comply With RoHS
Label Surface Print

Wiring Diagram

