



Approval Marks



Item		Value	Remark
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			
LNC6W120/250LR		30mA	
LNC6W150/300LR		35mA	
LNC6W200/350/400LR		40mA	
LNC6W450/500/700LR		45mA	
Total Harmonic Distortion (THD)		< 20%	Full load @230VAC
Power factor			Min-load @ 240Vac and Full-load @ 220 Vac
Input	LNC6W120LR	0.9C-0.97	
	LNC6W150LR	0.91C-0.97	
	LNC6W200/250/300/350/ 400/450/500LR	0.93C-0.97	
	LNC6W700LR	0.93C-0.95	
	Displacement factor		Min-load @ 240Vac and Full-load @ 220 Vac
	LNC6W120LR	0.9C-0.97	
	LNC6W150LR	0.91C-0.97	
	LNC6W200/250/300/350/ 400/450/500LR	0.93C-0.97	
	LNC6W700LR	0.93C-0.95	
	Efficiency		Full load @230VAC
LNC6W120/400/450/700LR		70%(Typ.)	
LNC6W150/500LR		73%(Typ.)	
LNC6W200/250/300/350LR		75%(Typ.)	
No-load power		NA	
Stand-by power		NA	
Protection class		NA	
Inrush current		10 A / 40 µs	
Max.units per circuit breaker		Type B , 10A MCB	89
		Type B , 16A MCB	142
		Type C , 10A MCB	111
		Type C , 16A MCB	178
Earth leakage current		NA	

Item		Value	Remark
Output	Nominal voltage range		
	LNC6W120LR	18-30Vdc	
	LNC6W150/200LR	16.5-30Vdc	
	LNC6W250/300/350LR	10-17Vdc	
	LNC6W400/450/500LR	7-13Vdc	
	LNC6W700LR	4.8-8.6Vdc	
	Maximum voltage		
	LNC6W120/150/200LR	35Vdc	
	LNC6W250/300/350LR	24Vdc	
	LNC6W400/450/500LR	17Vdc	
	LNC6W700LR	13Vdc	
	Nominal current range		
	LNC6W120LR	120mA	
	LNC6W150LR	150mA	
	LNC6W200LR	200mA	
	LNC6W250LR	250mA	
	LNC6W300LR	300mA	
	LNC6W350LR	350mA	
	LNC6W400LR	400mA	
	LNC6W450LR	450mA	
	LNC6W500LR	500mA	
	LNC6W700LR	700mA	
	Current accuracy		Full load @230VAC
	LNC6W120LR	± 15%	
	LNC6W150LR	± 12%	
	LNC6W200LR	± 10%	
	LNC6W250/300/350LR	± 5%	
	LNC6W400/450/500LR	± 5%	
	Typical output LF current ripple	± 5%	Low Frequency<120Hz Full load @230VAC
	SVM	≤0.4	Full load @230VAC
	P _{st} LM	≤1	Full load @230VAC
	Starting time	< 0.5 S	Full load @230VAC
Nominal power range			
	LNC6W120LR	2.2-3.6W	
	LNC6W150LR	2.5-4.5W	
	LNC6W200LR	3.3-6.0W	
	LNC6W250LR	2.5-4.2W	
	LNC6W300LR	3.0-5.1W	
	LNC6W350LR	3.5-5.9W	
	LNC6W400LR	2.8-5.2W	
	LNC6W450LR	3.2-5.8W	
	LNC6W500LR	3.5-6.5W	
	LNC6W700LR	3.36-6.02W	
	Maximum power	6.5W	

Item		Value	Remark
Dimming	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		
	LNC6W250/300/350LR	65°C	
	LNC6W400/450/500LR	65°C	
	LNC6W120/150/200LR	70°C	
	LNTC6W700LR	75°C	
Environment	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 65 °C @ t_a 50 °C > 50,000 h, t_c 70 °C @ t_a 50 °C 0.2 % / 1,000 h failure rate > 80,000 h, t_c 55 °C @ t_a 40 °C > 80,000 h, t_c 60 °C @ t_a 40 °C 0.1 % / 1,000 h failure rate	
Packing	Gross weight/Carton	8.9 kg	
	Net weight/Carton	8 kg	
	Pcs/Carton	192 PCS	
	Dimension/Carton	385(L)*310(W)*260(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	

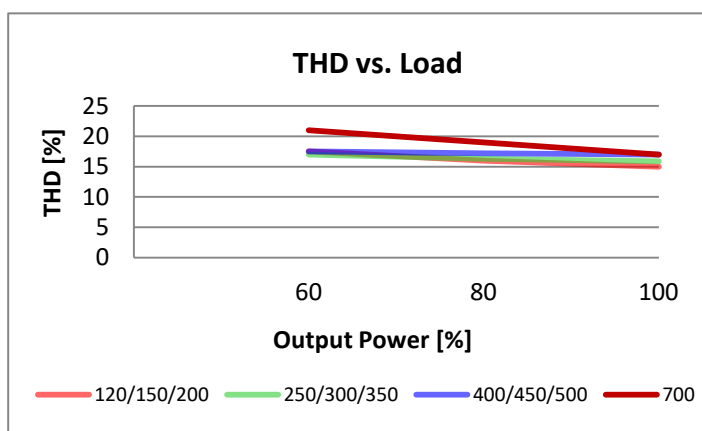
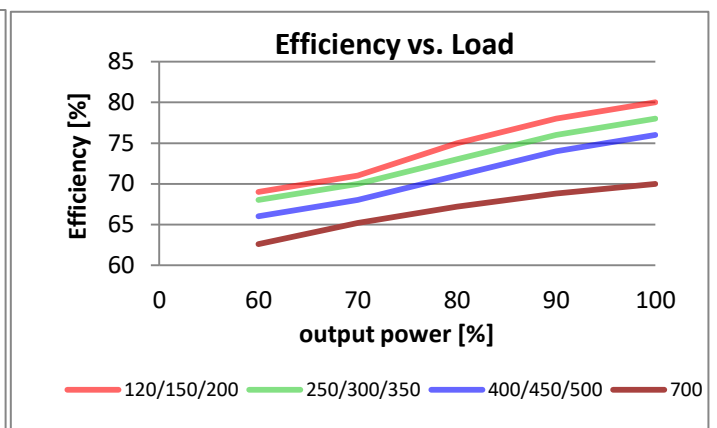
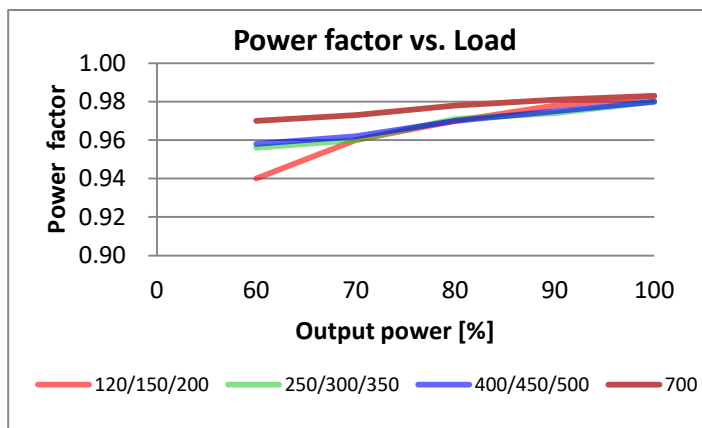
Cable information

PRI Connection	L	N
Color	Brown	Blue
Wire type	7022	7022
Wire diameter	AWG18	AWG18
Wire length	142mm	144mm
Stripping	6mm	6mm
Tolerance	±5mm	±5mm
Sec Connection	+	-
Color	Red	Black
Wire type	3385	3385
Wire diameter	AWG22	AWG22
Wire length	140mm	142mm
Stripping	6mm	6mm
Tolerance	±5mm	±5mm

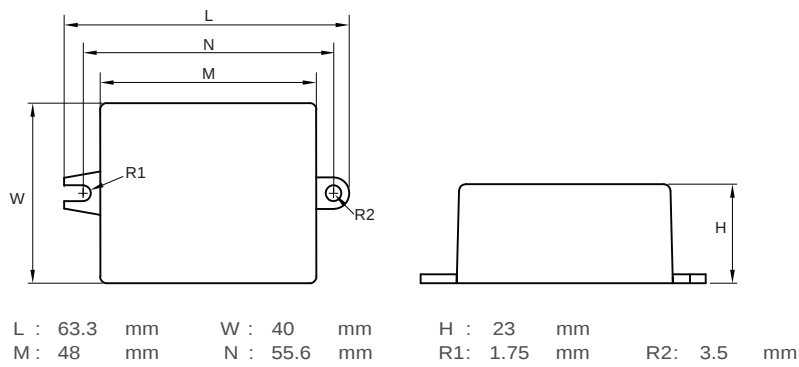
Subject to change without notice, HEP guarantees all products perform functionally well

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

Electrical Values



**Physical
Parameter**



Tolerance : ± 1 mm , R : ± 0.5 mm

Housing Material : Polycarbonate

Soldering : Lead-Free, Comply With RoHS

Label : Surface Print

Wiring Diagram

