



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		Full load @230VAC
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		Full load @230VAC
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
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 <sub>stLM</sub>	≤ 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	

Output

	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	
	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
Environment	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 > 80,000 h, $t_c$ 55 °C @ $t_a$ 40 °C	> 50,000 h, $t_c$ 70 °C @ $t_a$ 50 °C > 80,000 h, $t_c$ 60 °C @ $t_a$ 40 °C
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	
<b>Protections</b>			
	Short-circuit Protection	Auto recovery	
	Open-circuit Protection	Auto recovery	
	Overload Protection	Auto recovery	
<b>Conformity &amp; Standards</b>			
	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	

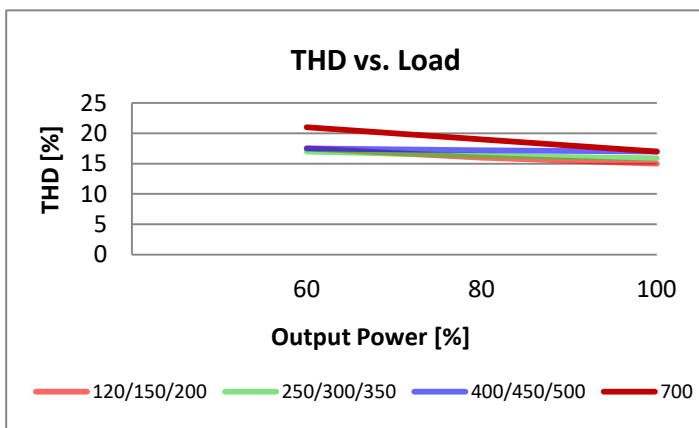
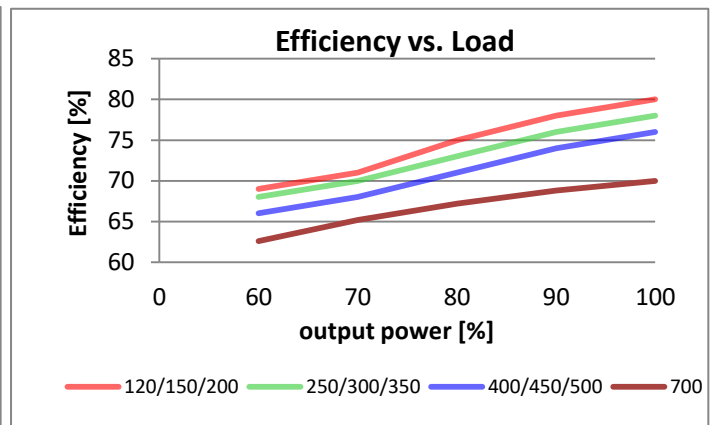
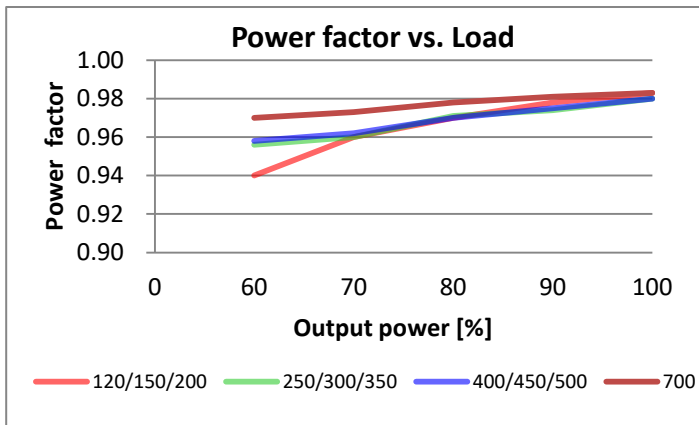
## Cable information

<b>PRI</b> Connection	L	N
Color	Brown	Blue
Wire type	7022	7022
Wire diameter	AWG18	AWG18
Wire length	142mm	144mm
Stripping	6mm	6mm
Tolerance	±5mm	±5mm
<b>Sec</b> Connection	+	-
Color	Red	Black
Wire type	1332	1332
Wire diameter	AWG22	AWG22
Wire length	140mm	142mm
Stripping	6mm	6mm
Tolerance	±5mm	±5mm

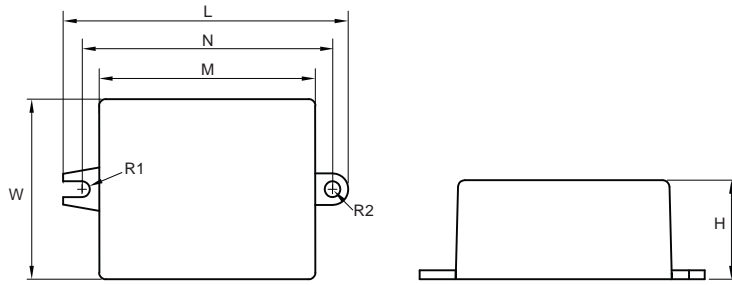
\*Subject to change without notice, HEP guarantees all products perform functionally well\*

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

## Electrical Values



**Physical  
Parameter**



L : 63.3 mm    W : 40 mm    H : 23 mm  
M : 48 mm    N : 55.6 mm    R1: 1.75 mm    R2: 3.5 mm

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

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

**Wiring Diagram**

