



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	
Maximum voltage		264Vac	
Nominal current			
G5R30W600LRP		150mA	
G5R30W700LRP		170mA	
G5R30W800LRP		175mA	
Input	Total Harmonic Distortion (THD)	< 15%	Full load @230VAC
	Power factor	0.9C	Full load @230VAC
	Displacement factor	0.9C	Full load @230VAC
	Efficiency	88% (Typ.)	Full load @230VAC
	No-load power	NA	
	Stand-by power	NA	
	Protection class	NA	
	Inrush current	10A / 305us	
	Max.units per circuit breaker	Type B , 10A MCB	23
		Type B , 16A MCB	37
Output		Type C , 10A MCB	29
		Type C , 16A MCB	46
	Touch current	< 0.7mA peak	IEC/EN 61347-1
	Nominal voltage range		
	G5R30W600/700LRP	30-42Vdc	
	G5R30W800LRP	30-40Vdc	
	Maximum voltage	53Vdc	
	Nominal current range		
	G5R30W600LRP	600mA	
	G5R30W700LRP	700mA	
	G5R30W800LRP	800mA	
Current accuracy		± 5%	

	Item	Value	Remark
Output	Typical output LF current ripple	± 2.5%	Low Frequency<120Hz
	Starting time	< 0.5S	Full load @230VAC
	Nominal power range		
	G5R30W600LRP	18-25W	
	G5R30W700LRP	21-29.5W	
	G5R30W800LRP	24-32W	
Dimming	Maximum power	32W	
	Dimming control	NA	
	Dimming technique	NA	
	PWM frequency	NA	
	Dimming range	NA	
	Lowest dimming current	NA	
Environment	Galvanic isolation	NA	
	Ambient temperature range t _a	-20°C - +50°C	
	Maximum case temperature t _c	90°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	-40°C - +85°C	
	Relative humidity	10% - 95%	
	Surge transient protection	1 kV,2kV	L/N,L-PE/N-PE
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 100,000	
	Expected lifetime		
	Output load 18-32W	> 50,000 h, t _c 90 °C @ t _a 50 °C	0.2 % / 1,000 h failure rate
Packing	Output load 18-32W	> 41,000 h, t _c 90 °C @ t _a 60 °C	0.24 % / 1,000 h failure rate
	Gross weight/box	14.1 kg	
	Net weight/box	13.4 kg	
	Pcs/box	100 PCS	
Protections	Dimension/box	345(L)*345(W)*175(H)mm	
	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	
CCC standard:		GB17625.1,GB/T17743,GB19510.1,GB19510.14	
SAA standard:		AS/NZS 61347.1, AS/NZS IEC 61347.2.13	
EMC standard:		EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547	

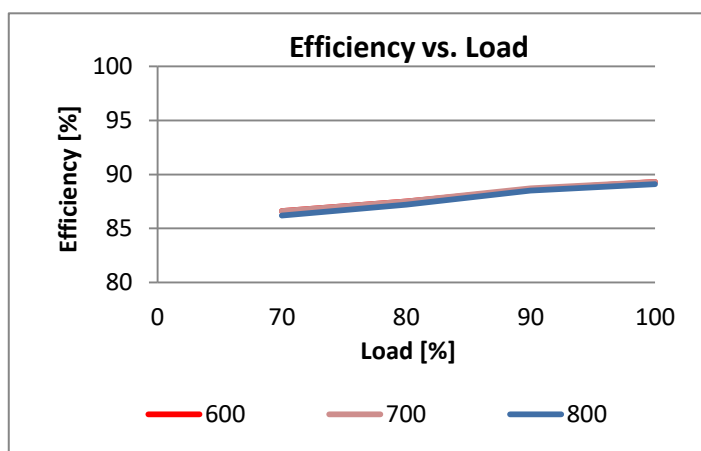
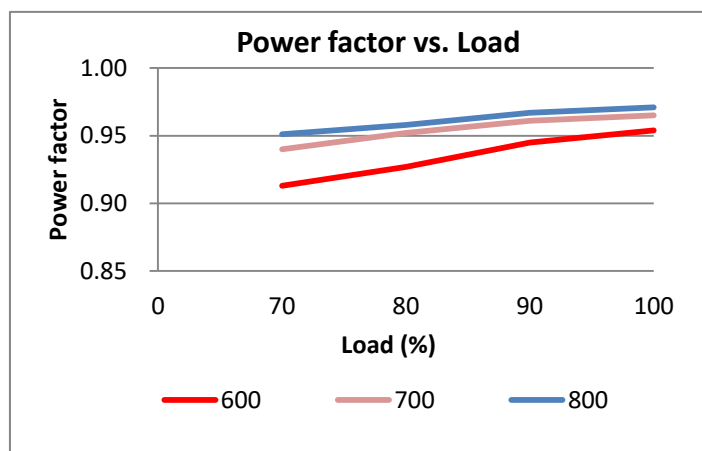
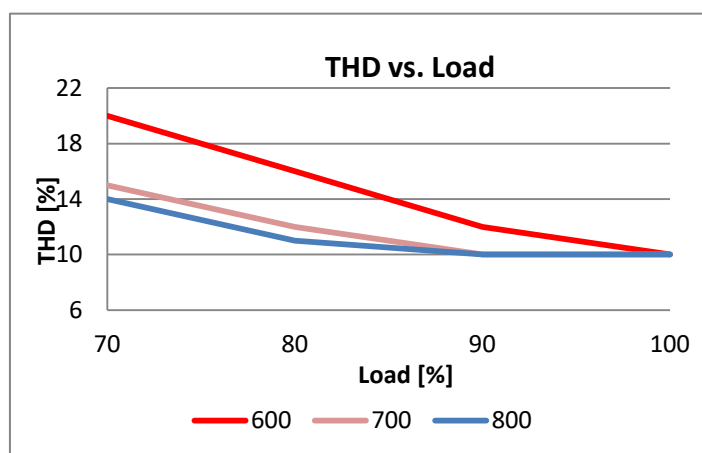
Cable information

PRI	Connection	L	N
	Color	Brown	Blue
	Wire type	7022	7022
	Wire diameter	AWG20	AWG20
	Wire length	143mm	143mm
	Stripping	6mm	6mm
	tolerance	±5mm	±5mm
Sec	Connection	+	-
	Color	Red	Black
	Wire type	3385	3385
	Wire diameter	AWG22	AWG22
	Wire length	142mm	142mm
	Stripping	6mm	6mm
	tolerance	±5mm	±5mm

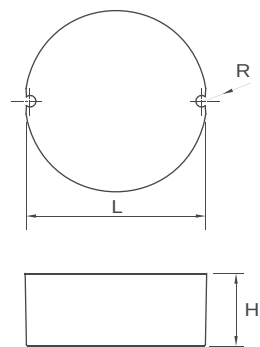
Subject to change without notice, HEP guarantees all products perform functionally well

*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 : 65 mm H : 27 mm R : 1.7 mm
Tolerance : +/-1 mm , R : +/-0.5 mm
Housing Material : Polycarbonate / Potting
Soldering : Lead-Free, Comply With RoHS
Label : Surface Print

Wiring Diagram

