

## SMPS White Paper

Date : 15-06-2023

We felt a need to have BIS & CE Marking for all Power supplies and make available “Universal Input” supply models also. In G31 series only two varieties 60W and 120W were CE & BIS marked. Others were not. Also, universal input supply models were not available & G32 series was offered for 110VAC/DC inputs.

We are pleased to announce our fourth generation series SMPS, order code starting with G4x. Within next few weeks G31 series will be phased out & G41 series will be supplied against pending & future orders.

There is no significant difference between the two series in respect of general aesthetics, dimensions & technical specifications.

Below is the Summary.





### New Offerings :

Order Code	Input range	Wattage
G41-xx-xx	AC : 185V to 270V, 47- 63 Hz DC : 200V to 360V	24W, 60W, 120W, 250W, 360W, 500W
G42-xx-xx	AC : 90V to 130V, 47- 63 Hz DC : 100V to 160V	250W only
G48-xx-xx	AC : 100V to 270V, 47- 63 Hz DC : 110V to 360V	6W, 24W, 60W, 120W only











Requirement	What is manufactured
Input : 230VAC	G41-xx-xx and G48-xx-xx
Input : 110VAC	Upto 120W : G48-xx-xx, For 250W : G42-xx-xx
Input : 100VAC to 270VAC	Upto 120W : G48-xx-xx
Input : 230VAC, Dual Output	G31-70-xx-xx
Input : 110VAC, Dual Output	G32-70-xx-xx
Input : 18VDC to 36VDC	G34-xx-xx
Input : 38VDC to 60VDC	G35-xx-xx

Note : 70W (Dual o/p), G34 & G35 (DC to DC) will be offered in G3 series only.

### Itemwise Summary :

Series/ Wattage	Customer Requirement	What is manufactured	Approvals
6W	G38-06-05	G48-06-05	  IS 13252(Part 1):2010 IEC 60950-1:2005 R-71016276 www.bis.gov.in
	G38-06-12	G48-06-12	
	G38-06-15	G48-06-15	
	G38-06-24	G48-06-24	
24W	G31-24-05	G48-24-05	  IS 13252(Part 1):2010 IEC 60950-1:2005 R-71016276 www.bis.gov.in
	G31-24-12	G41-24-12 G48-24-12	
	G31-24-15	G48-24-15	
	G31-24-24	G41-24-24 G48-24-24	
	G31-24-48	G48-24-48	
	G32-24-05	G48-24-05	
	G32-24-12	G48-24-12	
	G32-24-15	G48-24-15	
	G32-24-24	G48-24-24	
	G32-24-48	G48-24-48	



Series/ Wattage	Customer Requirement	What is manufactured	Approvals
60W	G31-60-05	G48-60-05 if required Qty is > 250 Nos. please contact factory	  IS 13252(Part 1):2010 IEC 60950-1:2005 R-71016276 www.bis.gov.in
	G31-60-12	G41-60-12 G48-60-12	
	G31-60-15	G48-60-15 if required Qty is > 250 Nos. please contact factory	
	G31-60-24	G41-60-24 G48-60-24	
	G31-60-48	G48-60-48 if required Qty is > 250 Nos. please contact factory	
	G32-60-05	G48-60-05	
	G32-60-12	G48-60-12	
	G32-60-15	G48-60-15	
	G32-60-24	G48-60-24	
	G32-60-48	G48-60-48	
120W	G31-120-12	G41-120-12 G48-120-12	  IS 13252(Part 1):2010 IEC 60950-1:2005 R-71016276 www.bis.gov.in
	G31-120-15	G48-120-15 if required Qty is > 250 Nos. please contact factory	
	G31-120-24	G41-120-24 G48-120-24	
	G31-120-48	G48-120-48 if required Qty is > 250 Nos. please contact factory	
	G32-120-12	G48-120-12	
	G32-120-15	G48-120-15	
	G32-120-24	G48-120-24	
	G32-120-48	G48-120-48	
250W	G31-250-12	G41-250-12	  IS 13252(Part 1):2010 IEC 60950-1:2005 R-71016276 www.bis.gov.in
	G31-250-15	G41-250-15	
	G31-250-24	G41-250-24	
	G31-250-30	G41-250-30	
	G31-250-36	G41-250-36	
	G31-250-48	G41-250-48	
	G32-250-12	G42-250-12	
	G32-250-15	G42-250-15	
	G32-250-24	G42-250-24	
	G32-250-30	G42-250-30	
	G32-250-36	G42-250-36	
	G32-250-48	G42-250-48	
360W	G31-360-12	G41-360-12	  IS 13252(Part 1):2010 IEC 60950-1:2005 R-71016276 www.bis.gov.in (In Process)
	G31-360-24	G41-360-24	
	G31-360-36	G41-360-36	
500W	G31-500-24	G41-500-24	
	G31-500-48	G41-500-48	
Black Series 60W	BL1250	BL1250	 IS 13252(Part 1):2010 IEC 60950-1:2005 R-71016276 www.bis.gov.in
	BL2425	BL2425	
Black Series 120W	BL2450	BL2450	 R-71016276 www.bis.gov.in

