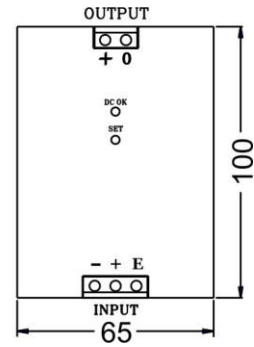
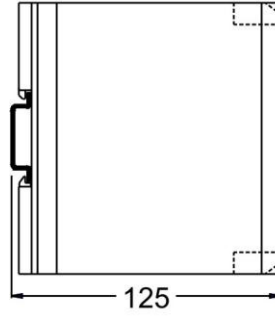


## DC - DC CONVERTER 120W



IS 13252(Part 1):2010  
IEC 60950-1:2005  
R-71016276  
www.bis.gov.in



All dimensions in mm

<b>FEATURES</b>	<ul style="list-style-type: none"> <li>DC Input</li> <li>Built In Transient protector &amp; EMI filter</li> <li>Protection against short circuit, overload &amp; overvoltage</li> <li>Low ripple &amp; noise</li> <li>Cooling by free air convection</li> </ul>	<ul style="list-style-type: none"> <li>Power OK indication, terminations, output set control &amp; rating details on front</li> <li>100% full load burn in tested</li> <li>Low cost</li> <li>High reliability</li> <li>Compact</li> </ul>
<b>ISOLATION</b>	Input – Output : 1.5KVAC, 1 minute Input – Earth : 1.5 KVAC, 1 minute Output – Earth : 0.5KVAC, 1 minute	
<b>EFFICIENCY</b>	70 ~ 75%	
<b>O/P VOLTAGE ADJUSTMENT</b>	+/- 10% of nominal output voltage	
<b>OVERLOAD PROTECTION</b>	105% ~ 130% of rated load	
<b>LINE &amp; LOAD REGULATION</b>	Better than 0.5%	
<b>OPERATING AMBIENT</b>	0 ~ 50°C, 95% RH	
<b>STORAGE AMBIENT</b>	-20°C to 85°C	
<b>SAFETY STANDARD</b>	IS 13252(Part 1):2010/IEC 60950-1:2005	
<b>EMC STANDARD</b>	Design refers to EN55022, EN55024	
<b>APPROVAL / MARK</b>	BIS MARKED	
<b>TERMINATIONS</b>	Screw type, for 2.5mm sq. wire	
<b>MOUNTING</b>	35 mm DIN rail	
<b>WEIGHT</b>	530 grams	

ORDERING INFORMATION	NOMINAL INPUT: 24VDC						
	INPUT RANGE				OUTPUT	RIPPLE & NOISE	OVERVOLTAGE PROTECTION
	I/P CURRENT (max)						
ORDER CODE			G34-120-05	5V : 8A	< 100mV	< 7V	
			G34-120-12	12V : 8A	< 120mV	< 16V	
			G34-120-15	15V : 6A	< 150mV	< 20V	
			G34-120-24	24V : 4A	< 240mV	< 30V	
			G34-120-36	36V : 3A	< 360mV	< 45V	
			G34-120-48	48V : 2A	< 480mV	< 63V	

- Note:
- All parameters measured at nominal input, rated load and 25°C of ambient temperature unless otherwise specified.
  - Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 100uf parallel capacitor.
  - The power supply is intended to be install as a component inside the enclosure of final equipment. The final equipment must be re-confirmed that it still meets the EMC directives.
  - These units are designed for mounting on horizontal DIN rail. Ensure clearance of minimum 35mm from adjacent components for proper ventilation.

### Derating

Ambient temperature Vs Load current

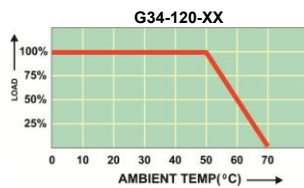


FIG.1

### Output Characteristics

Input voltage Vs Load current

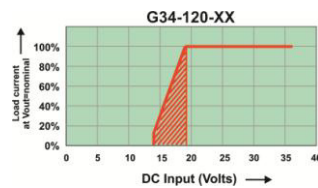


FIG.2