

## 120W Single Output DIN Rail - with PFC



- Universal AC input / full range
- PF>0.98@115VAC; >0.94@230VAC
- Installed on DIN rail TS35/ 7.5 or 15
- OCP indication
- High reliability, compact design
- Protections: overload/ over voltage/ over temperature/ short circuit
- 5 years limited warranty
- F612DR 50 × 107 × 120.2(mm)

|                                      |                                                                           |
|--------------------------------------|---------------------------------------------------------------------------|
| AC input voltage range .....         | 85~264VAC (120~370VDC)                                                    |
| Input frequency .....                | 47~63Hz                                                                   |
| Inrush current .....                 | cold start, 20A/115V, 40A/230V                                            |
| Input leakage current .....          | < 1mA/ 230VAC                                                             |
| Line regulation (full load) .....    | $\pm 0.5\%$                                                               |
| Output voltage adjust range .....    | $\pm 10\%$                                                                |
| Output overload protection .....     | 105~130%, delay shutdown, re-power on to recover                          |
| Output over voltage protection ..... | 115~150%, shut off, re-power on to recover                                |
| Withstand voltage .....              | I/P -O/P: 3.0KVAC/1min<br>I/P -F/G: 1.5KVAC/1min<br>O/P-F/G: 0.5KVAC/1min |
| Rise time.....                       | 50ms@full load (typical)                                                  |
| Hold up time .....                   | 20ms@full load (typical)                                                  |
| Operating temperature .....          | -20℃~+50℃                                                                 |
| Safety standards.....                | meet UL508, UL60950, EN60950                                              |
| EMC standards.....                   | meet EN55022 classB, EN55024<br>EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11   |
| Cooling method .....                 | convection                                                                |
| Connection .....                     | 3P/ 7.5mm pitch<br>4P/ 5.0mm pitch, plug-in terminal block                |
| Weight .....                         | 0.64kg/pcs                                                                |

| Model         | DC Output |       | Load regul. | R&N   | Efficiency |
|---------------|-----------|-------|-------------|-------|------------|
| HF120W-SDR-12 | 12V       | 10.0A | 0.5%        | 120mV | 84%        |
| HF120W-SDR-24 | 24V       | 5.0A  | 0.5%        | 150mV | 85%        |
| HF120W-SDR-48 | 48V       | 2.5A  | 0.5%        | 150mV | 87%        |

## Drawing

