



(EW-DCPS 12V 10AMP)

Specification:-

GENERIC

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| DC Regulated power supply as per | QRs/Specification approved by CRPF vide Lr.No.BV7/2018-19C(DRPS) dated.14.01.2019 |
| OUTPUT | |
| Variable voltage range | 0 to 30 V (+10%) |
| Variable voltage control | Single turn coarse and fine control, continuously adjustable |
| Variable current range | 0 to 30 A (+10%) |
| Variable current control | Single turn coarse and fine control, continuously adjustable |
| Configuration | Constant Voltage and Constant Current |



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| Load regulation | $\leq \pm 0.1\% + 2 \text{ mV}$ for V 10% change in line voltage |
| Line regulation | $\leq \pm 0.1\% + 2 \text{ mV}$ for load change on zero to full load |
| Ripple and Noise | 1 mV RMS Max. 20 Hz to 20 MHz |
| Stability under constant line, load and temperature - in Constant Voltage mode | $< \pm 0.2\% \pm 10 \text{ mV}$ |
| Stability under constant line, load and temperature - in Current mode | $< \pm 0.2\% \pm 0.5 \text{ mA}$ |
| Transient response | 0.1 set to within 10 mV of set output voltage for load change from 50% to 90% |
| Total output power | Nominal: 900 Watts, Maximum: 2000 Watts |
| Meters | Display to indicate Volts and Amps. |
| Voltage and current accuracy | $\leq \pm 0.5\%$ ref. voltage 1 volt |
| Terminals | Provided on the front / rear panel |

INPUT

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|-----------------------------|---|
| voltage / Frequency | 220 V $\pm 10\%$, 50 Hz, Single Phase AC |
| Total input VA | 1300 VA or better @ 65% efficiency |
| Input current rating | Nominal: 5.05 Amps @ 220m Volts, Maximum: 0.28 Amps @ 207 Volts |
| Connection | 3 Pin, 15 Amps Moulded cord |

PROTECTION

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| Overload & Short circuit (Through CC/CV Mode) | DC Fuse + MCB as well as AC MCB or over voltage protection / over current protection |
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ENVIRONMENTAL

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|------------------------------|---------------------------------------|
| Operating Temperature | 0 to 55 deg C |
| Humidity | 90% at 45 deg C non condensing |
| Cooling type | Force Air, Natural convection cooling |

ACCESSORIES

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| All measuring probes with connectors | Yes provided |
| All charging probes with connectors | Yes provided |

GROUP: CERTIFICATION

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| Availability of type test report from Central Govt., lab/NABL/ILAC accredited lab to conformity of the specification | Yes |
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