

Date of sending enquiry: 26/7/2018

Due date for receiving quotation: 16/8/2018

Quantity required: 2 Numbers

**80V / 125A Programmable DC Power Supply**

**Technical Specifications**

| Parameters  | Specifications  |
|---|---|
| Output Voltage  | 80V   |
| Output Current  | 125A  |
| Maximum Power   | 10kW  |
| Efficiency  | 83% @ Nominal Supply voltage and @ Full load                                |
| <b>Output Load Regulation:</b>  |   |
| Voltage Mode  | $\pm 0.02$ % of Full scale  |
| Current Mode  | $\pm 0.1$ % of Full scale   |
| <b>AC Mains Line Regulation (<math>\pm 10\%</math> nominal AC input):</b> |   |
| Output DC Voltage   | $\pm 0.02$ % of Full scale  |
| Output DC Current   | $\pm 0.08$ % of Full scale  |
| <b>Output Ripple &amp; Noise:</b>   |   |
| Ripple Voltage  | $\leq 25$ mV rms  |
| Noise   | $\leq 100$ mV <sub>p-p</sub> (20MHz BW limit)                               |
| Paralleling capability  | Shall be built-in   |
| Series capability   | Shall be built-in (for at least two)  |
| Stability   | $\pm 0.05$ % of V <sub>o</sub>  |
| Load Transient Response   | Recovers within 3ms for a load change of either 50% to 100% or 100% to 50%  |
| <b>Programming Accuracy:</b>  |   |
| (i) Remote Digital Interface  |   |
| Voltage Mode  | $\pm 0.5$ % of Full scale   |
| Current Mode  | $\pm 0.5$ % of Full scale   |
| (ii) Remote Analog Interface  |   |
| Voltage Mode  | $\pm 1$ % of Full scale   |
| Current Mode  | $\pm 1$ % of Full scale   |
| <b>AC Mains Supply Input:</b>   |   |
| Nominal Voltage   | 400VAC, 50Hz (3 phase, 3 wire + ground)                                     |
| Input Power Factor  | $> 0.88$  |
| <b>Environmental Conditions:</b>  |   |
| Operating temperature   | 0 to 50 deg C   |
| Cooling   | Forced cooling  |
| <b>Protection Features</b>  | Over current, Over voltage, Over temperature and missing phase              |
| <b>PC Interfaces</b>  | Ethernet, RS 232/RS485  |
| <b>Optional Features</b>  | (i) Isolated Analog Interface<br>(ii) USB Interface<br>(iii) GPIB Interface |
| <b>Warranty</b>   | Five years  |

26/7/18