

## Technical Specifications

### A. Programmable DC Power Supply-4 No.

Sl.	Parameter	Value
1	Output Voltage	Up to 75V or more
2	Output Current	Up to 19A or more
3	Output Power	1500W or more
4	Load Regulation Voltage	$\leq 12\text{mV}$ or better
5	Load Regulation Current	$\leq 10\text{mA}$ or better
6	Line Regulation Voltage	$\leq 12\text{mV}$ or better
7	Line Regulation Current	$\leq 5\text{mA}$ or better
8	Ripple & Noise CVpp	$\leq 80\text{mV}$ or better
9	Ripple & Noise CCrms	$\leq 60\text{mA}$ or better
10	Transient Response Time	1ms or better
11	Rise & Fall time (rated load)	150ms or better
12	Programming & Measurement Resolution (Voltage)	$\leq 3\text{mV}$ or better
13	Programming & Measurement Resolution (Current)	$\leq 0.70\text{mA}$ or better
14	Protection	Over Voltage Protection, Over Current Protection, Under Voltage Limit, Over Temperature Protection
15	C.V/C.C Priority Mode	Should be available to prevent inrush current and surge voltage from occurring at turn on to protect DUT
16	Adjustable Slew Rate	0.001V to 0.800V/msec 0.001A to 0.190A/msec
17	Bleeder Control Function	Should be available
18	Display	4 digits display with Voltage Accuracy 0.1% & Current Accuracy 0.2%
19	Interface	USB, LAN, RS232
20	Warranty:	3 Years
21	Isolation:	Electrical Isolation should be there between input and output Isolation should be there between Channel & Chassis
22	Service Centre & OEM:	OEM Should have their own service centre & office in India, documentary evidence like Certificate of Incorporation or GST Registration Certificate of OEM to be furnished
23	Technology:	Switching Power Converter (isolated)

### B. Non-Programmable DC Power Supply-5 No.

1	No. of Channel:	Single
2	Output Details:	0 to 60V / 0 to 6A or better
3	Output Power:	360W or more
4	Technology:	Switching type
5	Voltage & Current Control:	Using Course & Fine knob
6	Constant Voltage & Current Operation:	Yes, required
7	Load & Line Regulation CV:	$\leq 5\text{mV}$ or better
8	Ripple & Noise CV:	$\leq 5\text{mVrms}$ or better
9	Load & Line Regulation CC:	$\leq 3\text{mA}$ or better

10	Ripple & Noise CC:	$\leq 3\text{mArms}$ or better
11	Display:	Dual measurement 3.5-digit display to observe voltage & current simultaneously
12	Isolation:	Electrical Isolation should be there between input and output Isolation should be there between Channel & Chassis
13	Protection:	Over Voltage Protection should be available
14	Technology:	Switching Power Converter (isolated)
15	Warranty:	3 Years
16	Service Centre & OEM:	OEM Should have their own service centre & office in India, documentary evidence like Certificate of Incorporation or GST Registration Certificate of OEM to be furnished