

a) Q2 SERIES



**TEKLAB DC Regulated Fixed Power Supply** is designed as a Constant Current (CC) and Constant Voltage (CV) source for use in laboratories, industries and field testing. With compact size, it provides DC output voltages for Analog and Digital testing.

**TEKLAB DC Regulated Fixed Power Supply** is excellent line and load regulation and is provided with protective circuits to ensure trouble free operation. All the outputs are protected from short circuits and overload. This attractive compact & feature rich series DC Power Supplies not only require minimum bench space but also prevent EMI radiation's & ensure ruggedness by providing sturdy powder coated metal enclosure.

Moreover, **TEKLAB DC Regulated Fixed Power Supply's** gentle and stylish look will give your lab the perfect look you deserve.

**TECHNICAL SPECIFICATIONS**

MODE	CV/CC
<b>CONSTANT VOLTAGE REGULATION</b>	Line: $\pm 0.1\%$ Change in Line Output. Load: $\pm 0.1\%$ For Load Change from Zero to Full Load
<b>CONSTANT CURRENT REGULATION</b>	Line: $\pm 0.1\%$ For Line Change. Load: $\pm 0.1\%$ For Change In Output Voltage From 0 Volts to Maximum Output
<b>TRANSIENT RESPONSE</b>	100 $\mu$ secs to within 10mV of set Output voltage for load change from 10% to 90%.
<b>RIPPLE &amp; NOISE</b>	1mv
<b>STABILITY</b>	0.3%
<b>PROTECTION</b>	SCP /OLP/OVP/RPP
<b>COOLING</b>	Internal Forced Cooling Fan
<b>INPUT ON/OFF</b>	Rocker Switch
<b>OUTPUT SOCKET</b>	Extended Terminals
<b>OPERATION TEMP</b>	0 $^{\circ}$ c to +60 $^{\circ}$ c.85% RH
<b>INPUT LINE VOLTAGE</b>	230v Ac $\pm 10\%$ 50hz, Single Phase

## Q2 SERIES

SINGLE/DUAL OUTPUT				
OUTPUT	VOLTAGE	CURRENT	DIMENSIONS W x H x D (mm)	MODEL
5V	5V DC	2A	133 x 133 x 250	F Q2TL0502
	5V DC	5A	133 x 133 x 250	F Q2TL0505
	5V DC	10A	210 x 133 x 250	F Q2TL0510
12V	12V DC	1A	133 x 133 x 250	F Q2TL1201
	12V DC	2A	210 x 133 x 250	F Q2TL1202
	12V DC	5A	285 x 133 x 250	F Q2TL1205
	12V DC	10A	285 x 133 x 250	FQ2TL1210
±12V	±12V DC	1A	133 x 133 x 250	FD Q2TL1201
	±12V DC	2A	210 x 133 x 250	FD Q2TL1202
	±12V DC	3A	210 x 133 x 250	FD Q2TL1205
	±12V DC	5A	430 x 133 x 250	FD Q2TL15205
15V	15V DC	1A	133 x 133 x 250	F Q2TL1501
	15V DC	2A	210 x 133 x 250	F Q2TL1502
	15V DC	5A	285 x 133 x 250	F Q2TL1505
	15V DC	10A	285 x 133 x 250	F Q2TL1510
±15V	±15V DC	1A	133 x 133 x 250	FD Q2TL1501
	±15V DC	2A	210 x 133 x 250	FD Q2TL1502
	±15V DC	3A	210 x 133 x 250	FD Q2TL1503
	±15V DC	5A	430 x 133 x 250	FD Q2TL1505
24V	24V DC	2A	210 x 133 x 250	F Q2TL2402
	24V DC	5A	285 x 133 x 250	F Q2TL2405
	24V DC	10A	430 x 133 x 250	F Q2TL2410
24V	±24V DC	2A	430 x 133 x 250	FD Q2TL2402
	24V DC	5A	430 x 133 x 250	FD Q2TL2405
	24V DC	10A	480 x 160 x 400	FD Q2TL2410

CUSTOM CAPABILITY: SPECIAL VOLTAGE AND CURRENT RATINGS AVAILABLE ON REQUEST.

## b) 1KW-3KW OUTPUT



Application: Digital & Analog Test/Electroplating/Battery Charge/Automation/General Purpose etc

- Current Voltage / Constant Current Operation
- Two Digital Meters-3 Digit DPMs
- Phase Controlled Pre Regulation Plus Linear Post-Regulation 0.1%

### OPTIONS AT EXTRA COST

- 19" Rack Mounting
- Analog programming & monitoring for Voltage & Current
- Output ON/OFF Switch

**TEKLAB** DC Regulated Power Supply is designed as a Constant Current (CC) and Constant Voltage (CV) source for use in laboratories, industries and field testing. With compact size, it provides DC output voltages for Analog and Digital testing. They provide high regulation and stability with either Digital 3-digit LED display for voltage & current is provided to read the values, the unit is equipped with Multi Turn controls for adjusting the voltage and Current.

### TECHNICAL SPECIFICATIONS

<b>Font Panel Volt &amp; Current Control</b>	10 turn potentiometers for current	
<b>Metering</b>	3-digit DPMs for voltage and current measurement.	
<b>Meter Accuracy</b>	±1 DIGIT	
<b>Constant Voltage Mode</b>	REGULATION	Line: ±0.1% for ±10% change in line voltage. Load: ±0.1% for load change from zero to full load.
<b>Constant Current Mode</b>	REGULATION	Line: ±0.1% for ±10% change in line voltage. Load: ±0.1% for change in output voltage from 0 volts to maximum output voltage.
<b>Ripple &amp; Noise</b>	0.1% - 1%	
<b>Output Polarity</b>	Floating w.r.t. ground.	
<b>Protection</b>	SCP/OVP/OLP/RPP	
<b>Stability</b>	Total drift within 8 hours, after 30 minutes warm-up under constant line, load and temperature.	
<b>Operating Temperature</b>	0 to 50°C.	
<b>Storage Temperature</b>	-20°C to 70°C	
<b>Temp. Coefficient</b>	±0.05% ±5mV per °C after initial warm-up of 30 minutes, in voltage mode.	
<b>Cooling</b>	Internal Forced Cooling Fan	
<b>Line Voltage</b>	230V AC ± 10%, Single Phase 50Hz.	
<b>Input ON/OFF</b>	MCB	
<b>Custom Capability</b>	Special Voltage and Current ratings available on request	
<b>Note</b>	Regulations to be measured at sense terminals	

### 1KW-3KW

VOLTAGE	CURRENT	WATTAGE	DIMENSION W×H×D mm	MODEL
+12V DC	0-100A	1200W	430×240×700	F LHTL12100
+12V DC	0-200A	2400W	430×133×700	F LHTL12200
+24V DC	0-100A	2400W	430×133×700	F LHTL24100
+28V DC	0-100A	2800W	430×240×700	F LHTL28100
+48V DC	0-50A	2400W	430×133×700	F LHTL4850
+110V DC	0-25A	2750W	430×133×700	F LHTL11025
+220V DC	0-10A	2200W	430×133×700	F LHTL22010

**CUSTOMISED OUTPUTS AVAILABLE AS PER REQUEST**

*specifications & appearances are subject to change without prior notice*

\*All



Manufactured by,

**TEKLAB INDIA SOLUTIONS**

**AN ISO 9001: 2015 COMPANY**

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