

### INTRODUCTION

The RPS-3010, RS-3020 and RPS-6010 series of Variable Regulated DC Power Supply is a kind of high precision DC Power Supply with an output of continuously adjustable voltage and automatic switch between voltage regulation and current regulation.

The output voltage is adjustable starting from Zero Volt and can be set arbitrarily in the rated range. The protection point can also be set arbitrarily. When it is in the status of regulated current, the current regulated is continuously adjustable in the rated range as per the table given below:

Model	RPS-3010	RPS-3020	RPS-6010
Rated Voltage	0-30V	0-30V	0-60V
Rated Current	0-10A	0-20A	0-10A



### TECHNICAL SPECIFICATIONS

<b>Input Voltage</b>	: AC 220V $\pm$ 5%
<b>Output Voltage</b>	: As per the table given above
<b>Output Current</b>	: As per the table given above
<b>Source Regulation</b>	: CV $\leq$ 5 $\times$ 10 <sup>-4</sup> +2mV ; CC $\leq$ 5 $\times$ 10 <sup>-4</sup> +5mA
<b>Load Regulation</b>	: CV $\leq$ 5 $\times$ 10 <sup>-4</sup> +2mV; CC $\leq$ 5 $\times$ 110 <sup>-4</sup> +5mA
<b>Ripple &amp; Noise</b>	: CV $\leq$ 1.5mV ; CC $\leq$ 15mV
<b>Protection</b>	: Current - Limiter
<b>Working Environment</b>	: 0 ~ 40°C
<b>Relative Humidity</b>	: < 90% RH

\*Technical Specifications & Appearance are subject to change without prior notice