

# **Multi-Channels Regulated DC Power**







#### FEATURES:

- 2 Adjustable Channels Output (PSM 2 Series)
  3 Adjustable Channels Output (PSM 3 Series)
  4 Adjustable Channels Output (PSM 4 Series)
- 0 ~ 30V Linear Voltage Adjustment
- 4 Sets of LED for Voltage and Current Output Display
- Low Noise and Ripple; Less than 1mV (5Hz ~ 1MHz)
- Voltage and Current Pre-set Feature
- CV/CC Mode Automatic Change
- Auto Tracking Output
- Auto Parallel or Series connection
- Doubling Current with Series Connection
- Doubling Voltage with Parallel Connection
- 16 Hours Continuous Operation with Full Loading
- Rugged Metal Cabinet



Model	Number of Channels	CHANNEL OUTPUT							
		CH 1		CH 2		СН 3		CH 4	
		Voltage	Current	Voltage	Current	Voltage	Current	Voltage	Current
PSM 2/2A	2	0 ~ 30V	2A	0 ~ 30V	2A	N/A			
PSM 2/3A	2		3A		3A				
PSM 2/5A	2	5A			5A				
PSM 3/2A	3	0 ~ 30V	2A	0 ~ 30V	2A	5V	1 ~ 3A	N/A	
PSM 3/3A	3		3A		3A				
PSM 3/5A	3		5A		5A				
PSM 4/2A	4	0 ~ 30V	2A	0 ~ 30V	2A	2.2 ~ 5.2V	1 A	8 ~ 15V	
PSM 4/3A	4		3A		3A				1 A
PSM 4/5A	4		5A		5A				

## **GERNERAL SPECIFICATION:**

#### **OPERATION CONDITION:**

Environmental Condition	Operating altitude <2000m, pollution degree II				
Input Voltage	$110V_{AC}/220V_{AC}\pm 1$	0% at 50Hz			
Operating Condition	Temperature	0∼40°C			
Operating Condition	Relative Humidity	$\leq 80\%$ RH			
Storage Condition	Temperature	-10°C~70°C			
Storage Condition	Relative Humidity	$\leq 80\% RH$			



### **TECHNICAL SPECIFICATION:**

Constant Voltage Mode (CV)						
Line Effect	$1 \times 10^{-4} + 3 \text{mV}$					
Line Effect	(±10% of Rated Voltage)					
Looding Effect	$1 \times 10^{-4} + 3 \text{mV}$ (Output current $\leq 3 \text{A}$ )					
Loading Effect	$2 \times 10^{-4} + 3 \text{mV}$ (Output current $\ge 3 \text{A}$ )					
Noise and Ripple	1m V <sub>rms</sub> (5Hz – 1 MHz)					
Recovery Time	$\leq$ 100µsec (50% of loading effect with min. loading of 0.5A)					
Temperature Coefficient	$\leq$ 300ppm/°C					
Constant Current Mode (CC)						
Current Range	0 to maximum rated current					
Line Effect	$2 \times 10^{-3} + 3 \text{mA}$					
Loading Effect	2×10 <sup>-3</sup> +3mA					
Noise and Ripple	3m V <sub>rms</sub>					
Tracking Characteristic (in Series)						
Line Effect	$\leq 1 \times 10^{-4} + 3 \text{mV}$					
Leeder Effect	$1 \times 10^{-4} + 3 \text{mV}$ (Output current $\leq 3 \text{A}$ )					
	$2 \times 10^{-4} + 3 \text{mV}$ (Output current $\ge 3 \text{A}$ )					
Tracking Characteristic (in Parallel)						
Line Effect	$\leq 1 \times 10^{-4} + 5 \mathrm{mV}$					
Loading Effect	≤ 300mV					