

DC Power Supply for LCM Burn-in Applications Model No. **67300 Series**



DC Power Supply for LCM Burn-in Applications Model 67300 Series

KEY FEATURES

- Three models: 67322 5V/100A
67346 12V/90A
67366 24V/50A
- N+1 Redundancy Power System Ideal for Burn-in Applications
- High Power Density (464mW / cm³)
- Hot-swappable
- Cost-effective
- Remote Sense, 1V Line Loss Compensation
- Remote ON/OFF Signal
- Remote RS-485 Interface Control
- Graphic Softpanel Control and Monitor (option)

RS-485

Chroma's new 67300 Series of modular DC power supplies offer many unique features for Burn-in applications. The features include a N+1 redundancy power system, high power density, hot-swappable for maintenance, remote ON/OFF input signal as well as the ability to create a custom burn-in chamber system.

The 67300 Series contain 3 different modules ranging from 600W to 1500W, up to 100A and 30V. The 67300 mainframe allows encasing up to six modules for parallel or stand-alone operation that made it easy to expand up to thirty units of mainframe for high power applications via RS-485 control.

The Modular DC Power Supplies of 67300 Series are cost effective with high power density (464mW/cm³). They are most suitable for burn-in applications such as the typical LCD panel, D2D converter, power inverter, notebook, battery charger, and etc.

Modern power factor correction circuitry is incorporated in 67300 Series to increase the input power factor above 0.98 to meet the IEC regulation. It not only reduces the input current requirement but also raises the efficiency over 80%. In addition, an optional graphic Softpanel connected via RS-485 is offered to control and monitor the power system which is a user friendly tool applicable for factory automation.

ORDERING INFORMATION

- 67300** : Mainframe with one output bus bar, Input 220V 1 ϕ
- 67300** : Mainframe with two output bus bar, Input 220V 1 ϕ
- 67300** : Mainframe with three output bus bar, Input 220V 1 ϕ
- 67300** : Mainframe with six output bus bar, Input 220V 1 ϕ
- A673002** : Mainframe with two output bus bar, 220V/380V 3 ϕ
- A673003** : Mainframe with three output bus bar, 220V/380V 3 ϕ
- A673004** : Mainframe with six output bus bar, 220V/380V 3 ϕ
- A673005** : Mainframe with three output bus bar, 220V/380V 3 ϕ , 2ch
- 67322** : Modular DC Power Supply, 5V/100A/600W
- 67346** : Modular DC Power Supply, 12V/90A/1440W
- 67366** : Modular DC Power Supply, 24V/50A/1500W



Module

SPECIFICATIONS			
Model	67322	67346	67366
Electrical Specifications			
Output Ratings			
Output Voltage Range	2.5 ~ 6V	9 ~ 16V	10 ~ 30V
Default Voltage Setting	5V	15V	24V
Output Current	100A	90A	50A
Output Power	600W	1440W	1500W
Line Regulation		0.10%	
Load Regulation		5%	
Meter Accuracy		1% F.S.	
Noise (0-20MHz) : V (P-P)	100mV	100 mV	100 mV
Output Ripple (rms) : V	30 mV	30 mV	30 mV
Efficiency		> 80% @ Full Load	
Transient response time -Time		< 5 ms	
25% step change-Leve		Time for the output voltage to recover within 1% of its rated for a load changed of 25%	
Protection Function			
OVP	Automatically shuts down when over setting voltage plus 0.2V (67322) / plus 0.5V(67346 / 67366)		
OCP	0A - Full Scale setting current limit, CC mode		
OTP	Automatically shuts down		
I/O Signal			
Remote ON/OFF	Closed is enable, vice versa		
Remote Interface			
RS-485	Standard (Adjustable via DIP switch of each power supply)		
General Specifications			
Remote Sensing	1V line loss compensation		
Parallel Operation	Current Sharing (\pm 5%)		
Operating Temperature	-5°C to 50°C		
Humidity Range	0 ~ 90% RH. Non-condensing		
AC Input Voltage	187 to 253Vac (single phase), 45 ~ 65 Hz		
Input Power Factor	> 0.98@ full load		
Weight	3.7 kg / 8.15 lbs		
Dimension (H x W x D)	132.5 x 67.5 x 376 mm / 5.22 x 2.66 x 14.8 inch		
Front Panel Overview			
Control Function	V&I display change button, main switch		
Indications LED	Normal, Warning, V, I, 7-segment LED		

Solar Cell Test Equipment
Semiconductor/IC Test Equipment
LED Test Equipment
LCD/LCM Test Equipment
Video & Color Test Equipment
Optical Inspection Equipment
Power Supply Test Equipment
Passive Component Test Instruments
Electrical Safety Test Instruments
General Purpose Test Instruments
PXI Instruments & Systems