

LT700

Constant Voltage Power Supplies



JH11728-19001



--- FEATURES ---

- High Efficiency 90%
- IP67 Waterproof
- Active PFC > 0.90)
- OLP, SCP, OCP
- 20 to 50℃ deg operation
- EN61347-1, -2-13 compliant

The constant voltage LED power supplies from Smart power can deliver up to 600W of output power in an compact package size.

The Power Supply provide a range of output voltage solutions for specific LED requirements. With its high efficiency and PFC function, Power Supply make you experience the high reliability and performance to maxmize efficiency of industry as a outstanding solution.

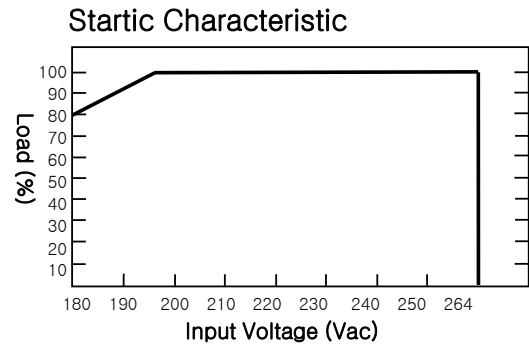
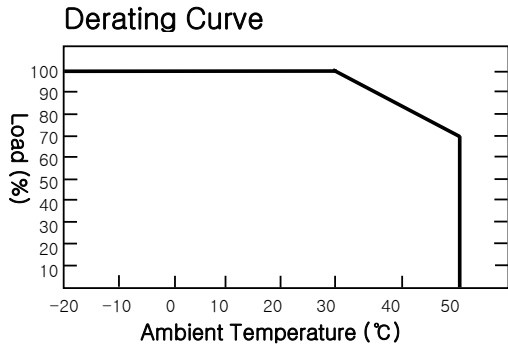
Model Number	Input Voltage	Output Voltage	Output Current	Efficiency	Remark
LT700-12V	220Vac	12V	45.0A	90%	
LT700-24V	220Vac	24V	22.5A	92%	
LT650-12V	220Vac	12V	40	90%	
LT650-24V	220Vac	24V	20	92%	

Input Specifications						
parameter	Conditions/Description	Min	Nom	Max	Units	Remark
Input Voltage Range	220Vac Input	200	220	240	Vac	
Input Frequency Range		47	60	63	Hz	
Input Current	220Vac in, 600W Input			4.2	A	
Power Factor	220Vac in, 600W Input	0.5C				
Inrush Current	at 240Vac input, 25℃ Cold start			60	A	

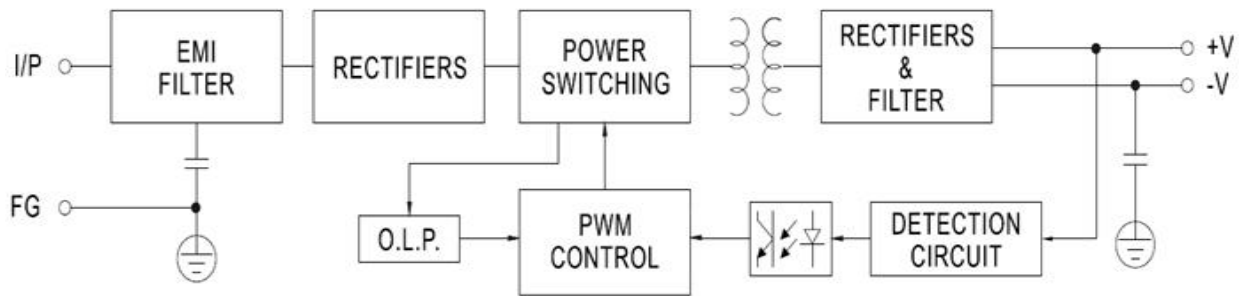
Output Specifications						
parameter	Conditions/Description	Min	Nom	Max	Units	Remark
Line Regulation				±1	%	
Load Regulation				±2	%	
Voltage Accuracy	% of Vout			±2	%	
Ripple and Noise	20MHz Bandwidth			240	mV	
Turn-on Delay	Measured at 220VAC and full load			2	s	
Short Circuit Protection	Auto Recovery					

General Specifications						
parameter	Conditions/Description	Min	Nom	Max	Units	Remark
Isolation Voltage	Input to Chassis	1500			Vac	
Efficiency	See individual models	88		92	%	
No load Power Dissipation	Measured at 190VAC and 220VAC			1.5	W	
Lifetime	Load 80% at 25℃		30000		Hours	
Weight			1150		g	
Operating Temperature		-20		+50	℃	
Storage Temperature		-40		+90	℃	
Relative Humidity	Non-condensing (operating)	10		90	%RH	
Power Derating	At 200VAC, derates linearly from 100% at 25℃ to 70% at 50℃					
	At 240VAC, derates linearly from 100% at 25℃ to 70% at 50℃					

load Characteristic Curve



Block Diagram



Case size

