



FEATURES

- Non-isolated
- Wide input voltage from 18V to 85V
- Stable output voltage is 13.5V
- High rated power up to 560W (Max.)
- Extra Security with Entrance Mosfet Layer
- Safe start with Enable Pin
- Programmable low and high input Voltage detection
- Programmable low and high output Voltage detection
- Programmable Undervoltage Detection Time
- Programmable Shutdown Time
- Status tracking with warning led
- Current Consumption in the uA Level in Sleep Mode
- High efficiency typical 95%
- Fanless design for silent operation and Cooling by free air convection
- Surface mountable
- Voltage stabilisation protects sensitive equipment, lights and loads.
- Ability to be connected in parallel for high currents
- IP67 waterproof, Epoxy potting, Anti-vibration, Dustproof
- Reverse connection protection
- Over current protection
- Over temperature protection
- High power density
- According to : **Standards** (EN 61000-6-3:2007/A1:2011/AC:2012 EN 55014-1:2006/A2:2011 EN 60950-1:2006/AC:2011)

MODEL			HERCULES-560W-12
OUTPUT	DC VOLTAGE	V	13.5
	RATED CURRENT	A	40
	RATED POWER	W	560 (Max)
	POWER DENSITY		XXXX W/Inch ³
	RIPPLE & NOISE (max.)		
	VOLTAGE ADJ. RANGE	V	11 - 14 (Factory Adj.)
	VOLTAGE TOLERANCE		
	LINE REGULATION		
	LOAD REGULATION		
SETUP, RISE TIME			
INPUT	VOLTAGE RANGE	VDC	18-85
	EFFICIENCY (Typ.)		95%
	DC CURRENT		12.5A/48VDC
PROTECTION	OVERLOAD		105-125% Rated output power
			Protection Type: Constant Voltage and Current limiting, unit will shut down o/p voltage after about 2 sec. Re-power on to recover
	OVER OUTPUT VOLTAGE		14-16V
			Protection Type: Shut down o/p voltage, re-power on to recover
	OVER TEMPERATURE		Shut down o/p voltage, recovers automatically after temperature goes down
FUNCTION	PROGRAMMABLE		Low/High input voltage, Low/High output voltage, Undervoltage Time, Shutdown Time, Warning Led
	ENABLE PIN		Safe start and shutdown
	OUTPUT WARNING LED		Shows Working Status LED
ENVIRONMENT	WORKING TEMP		(-20) ~ 85°C
	WORKING HUMIDITY		20 ~ 90% RH non-condensing
	STORAGE TEMP. ,HUMIDITY		(-40) ~ +85°C, 10 ~ 95% RH non-condensing
	VIBRATION		
SAFETY & EMC	SAFETY STANDARDS		
	EMC EMISSION		
	EMC IMMUNITY		
OTHER	COOLING		Free air convection
	DIMENSION AND PACKING		
NOTE			