

Typical Performance

FEATURES

- Wide Input voltage range (2:1)
- Typical Efficiency:82%
- Switching frequency: 200KHz
- Short circuit protection,Self-furbish,input over voltage protection
- Input-output isolate 500VDC
- Metal case, Low Output Ripple
- Chassis mount
- Silicone filling and sealing, dustproof,moistureproof, high reliability



3-Years Product Warranty

Technology parameter

Test condition:General Nominal Line,Tc=25℃, Rated resistant load unless other wispecified

Input Feature	Min	Nom	Max	Notes
Input voltage(Vdc)	72	110	144	W 2:1

Output Feature

Voltage accuracy			±1.0%
Line regulation			±0.2%
Load regulation			±0.5%
Over current protection		120%~200% ,output will be turn off,self-recover	
Ripple and noise			80mV

General Feature

Efficiency			82% typical
Switching frequency			200KHz typical
Operating temperature	Free air	Industrial level	-25℃ ~ +55℃
Storage temperature			-40℃ ~ +125℃
Relative humidity			10%~90%

case material			Metal case
Isolation Voltage	Input-Output		1500VDC
	Input-Case		500VDC
	Output-Case		500VDC
Temperature Coefficient			$\leq \pm 0.05\%/^{\circ}\text{C}$
Cooling			Natural Convection, or add heatsink
MTBF	5X10 ⁵ Hrs		

Product Nomination Method

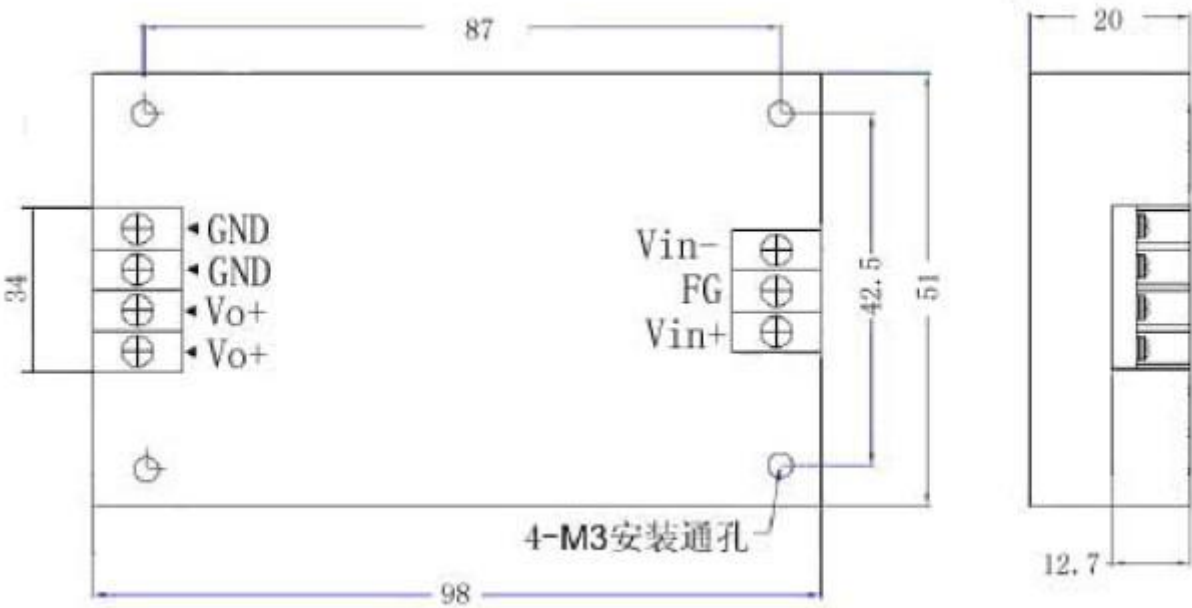
example	L D 50 E - 48 S 05 ① ② ③ ④ ⑤ ⑥ ⑦						
①	Wide input voltage: 2: 1			⑥	S=Single route output, D=Dual route output, T=Triple route output, Q=Quadruple output		
②	Power adaptation mode: D (DC-DC)			⑦			
③	Output power(W)						
④	Vehicle power supply				output voltage		
⑤	Normal input voltage						

Product Program

PART #	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	mA	V	mA	V	mA
LD50E-110S05	110V(72~144V)	5V	10000mA				
LD50E-110S12		12V	4200mA				
LD50E-110S15		15V	3300mA				
LD50E-110S24		24V	2100mA				
LD50E-110S28		28V	1750mA				
LD50E-110S48		48V	1000mA				
LD50E-110D05		+5V	5000mA	-5V	5000mA		
LD50E-110D12		+12V	2083mA	-12V	2083mA		
LD50E-110D15		+15V	1667mA	-15V	1667mA		
LD50E-110D24		+24V	1042mA	-24V	1042mA		
LD50E-110D28		+28V	893mA	-28V	893mA		
LD50E-110D48		+48V	521mA	-48V	521mA		

LD50E-110S05S12		+5V	3000mA	+12V	2917mA		
LD50E-110S05S24		+5V	3000mA	+24V	1458mA		

Mechanical Dimension



BOTTOM VIEW

Mechanical Data

WATT	L x W x H	Packing No.
50W	98*51*20mm	

*Note: The power modules such as the definition of the pin does not match with the hand book,please refer to the actual item.