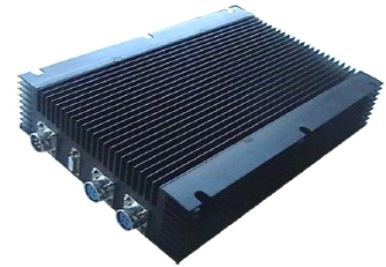


1500W series DC/DC converter



Typical Performance

- ⊙ Wide Input voltage range (2:1)
- ⊙ Typical Efficiency: 85%
- ⊙ Switching frequency: 300KHz ± 30 KHz
- ⊙ Overcurrent/Short circuit protection, Self-furbish
- ⊙ Input-output isolate
- ⊙ Terminal outlet



Technology parameter Test condition: General Nominal Line, Tc=25°C, Rated resistant load unless other wise specified

Input Feature	Min	Nom	Max	Notes
Input voltage(Vdc)	18	24	36	W 2:1

Output Feature

Voltage accuracy		Vo1	<±1.0%
Line regulation		Vo1	<±0.2%
Load regulation	20% ~ 100%	Vo1	<±0.5%
Ripple and noise			<1%Vo
Dynamic response			400uS
Voltage adjust	Standard output voltage	TRIM	±10%(adjustable)
Start delay time	typical		≤200mS
Start time			<10mS

General Feature

Efficiency			85% typical
Switching frequency			Max 330KHz
Operating temperature			-25°C ~ +55°C
Storage temperature			-40°C ~ +105°C
Max case temperature			+95°C

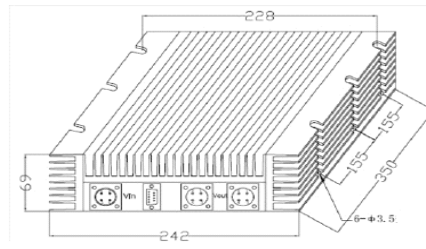
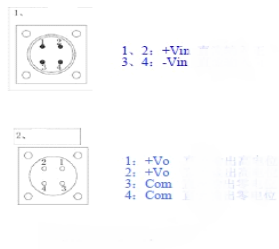
Relative humidity			10%~90%
Temperature Coefficient			<±0.02%/°C
Overcurrent protect			>120%
Isolation Resistance			500MΩ
Overt temperature protect			90°C
Isolation voltage			>500VAC Vin-FG, Vin-Vo
			>500VDC Vo-FG
work humidity			5%~85%RH
Storage humidity			5%~95%RH
Earthquake Resistance			10-55Hz 5g
Attack(half sin wave)			Acceleration:a=50g±5g, Attack time:8-12ms,6 times each for X,Y,Z direction
Cooling			nature cooling
MTBF	5X10 ⁵ Hrs		

Product Nomination Method

example	SL D 25 - 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	Terminal outlet type		output voltage
⑤	Normal input voltage		

Product Program

TYPE	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	A	V	mA	V	mA
SLD1500E-24S12	24V (18~36V)	12V	125				



Mechanical Data

Packing	L x W x H	Packing No.
A	350*244*67mm	

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