

PSU100S-15-DV case power supply

Typical performance

- Single output mode
- Total output power 100W
- Output voltage 15V
- The input voltage ranges from 200 to 1100VDC
- High isolation voltage 3000VAC
- Housing power supply



Input characteristic

Input voltage range	200~1100VDC
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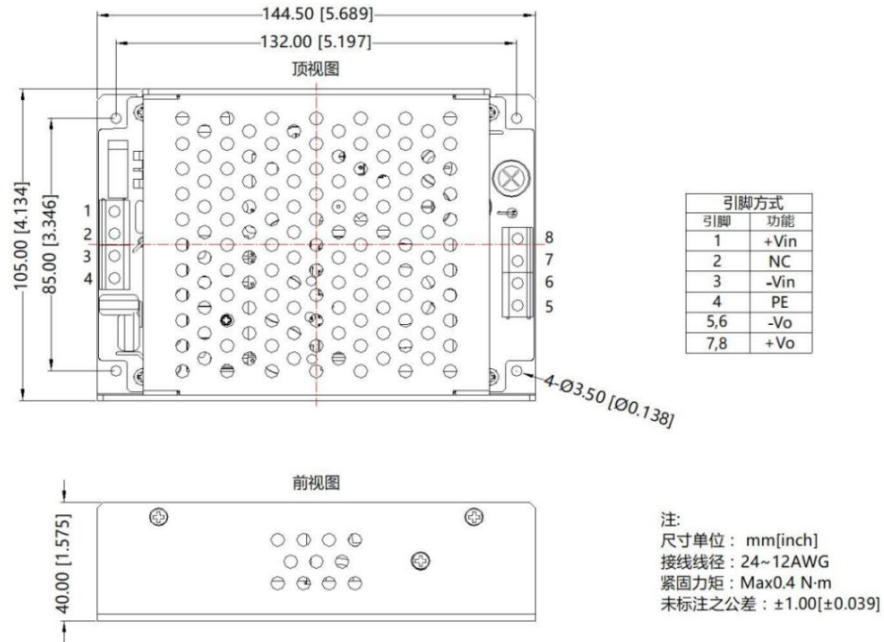
General characteristic

Isolation voltage	Input-output: 3000VAC
Insulation resistance	$\geq 100\text{M}\Omega$
Mean time between failures	$\geq 3 \times 10^5\text{h}$
Protection function	Short-circuit protection (self-recovery), overcurrent protection (self-recovery), Input undervoltage protection, anti-reverse protection, overvoltage protection
Operating temperature	$-40 \sim +70^\circ\text{C}$
Storage temperature	$-40 \sim +85^\circ\text{C}$
Storage humidity	$\leq 95\%\text{RH}$
Cooling mode	Natural cooling

Output characteristic

Output voltage accuracy	Full load range, $\pm 2\%$
Load effect	0%~100% load, $\leq \pm 2\%$
Source effect	Rated load, $\leq \pm 1\%$
Ripple noise	20MHz bandwidth (peak-to-peak), $< 300\text{mVp-p}$
Conversion efficiency	600VDC, rated load, 85%
Temperature coefficient	$\leq \pm 0.02\%/^\circ\text{C}$

Product diagram



Pin definition

definition	1	2	3	4	5	6	7	8
Instructions	+Vin	NC	-Vin	PE	-V0	-V0	+V0	+V0