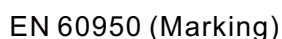


- High power density
- Convection cooled
- RoHS compliance
- 2 year warranty
- Great reliability
- Multiple mounting solution
- Over voltage protection
- Overload protection
- Short circuit protection
- Battery reverse polarity protectionapplication

EMC Standards

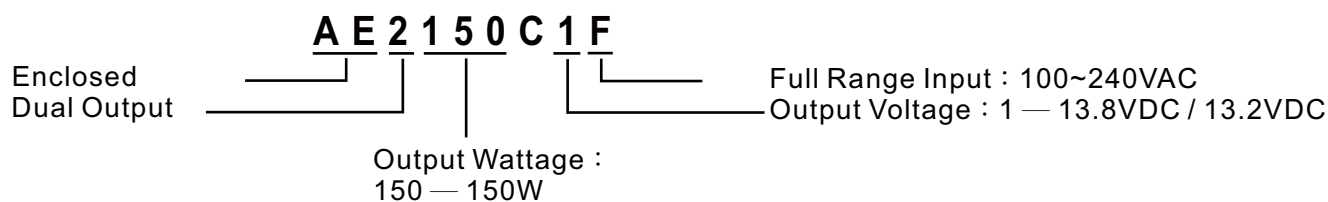


EN55011	Class B
EN55022	Class B
EN61000-4-2	Level 3
EN61000-4-3	Level 3
EN61000-4-4	Level 3
EN61000-4-5	Level 3
EN61000-4-6	Level 3
EN61000-4-8	Level 3
EN61000-4-11	Level 3

Model List

Model	O/P Voltage	Min.	Loading		Ripple	Line	Load	Efficiency	Over Voltage
	Adjustment		Rated	Max.	Noise	Reg.	Reg.		Protection
AE2150C1F	+13.8VDC±10%	0A	9.0A	2.5A	100mVp-p	±1%	±1%	80%	15~17VDC
	+13.2VDC -----		1.5A	1.5A	100mVp-p	-----	-----		-----

Model Encoding



Specification

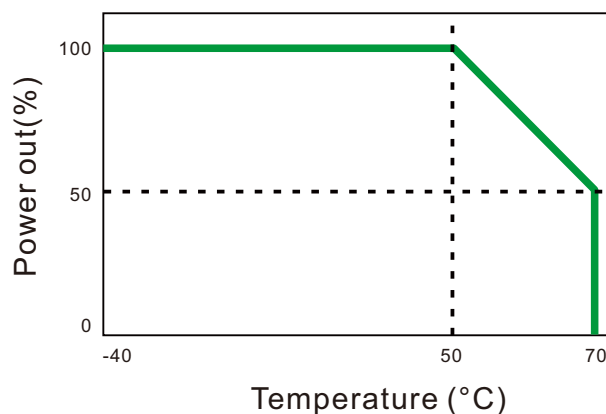
General		
Switching Frequency		85k Hz
Isolation Voltage	Input-Output	3000 VAC/4242 VDC
	Input-FG	1500 VAC/2121 VDC
	Output-FG	500 VAC/710 VDC
Isolation Resistance		100MΩ when Input-Output @500VDC

Specification

General		
Operating Temperature		-40°C~50°C ambient
Derating		2.5% per degree from 50°C to 70°C
Storage Temperature		-40°C to +85°C
Relative Humidity		5%~95% RH, Non-condensing.
Temperature Coefficient		±0.04% of output voltage per °C
MTBF		60,000hrs Min. Per MIL-HDBK-217F, 25°C GB
Altitude During Operation		2000m
Vibration		Random vibration, 10~500Hz, 3 axise
Input		
Input Voltage		100~240VAC/120~370VDC
Input Frequency		47~63 Hz
Inrush Current (cold start)		22A/115VAC 44A/230VAC
Rated Input Current		3.5A Max., Vi=100~240VAC
Leakage Current		Input-output 0.25mA, Input-FG 3.5mA
Output		
Output Voltage accuracy		±1%
Minimum Load		0%
Line Regulation		See model list, measuring from low line to high line at rated load.
Load Regulation		See model list, measuring from 20% to 100% of rated load at 230VAC input.
Voltage Trim Range		±10%
Rated Continuous Loading		9A@13.8Vdc / 1.5A@13.2Vdc
Hold Up Time		25mS Min., Full load@230VAC.
Turn On Time		1600ms
Rise Time		15ms
Fall Time		30mS
Transient Response	Recovery Time	2mS, Load change 50% to 100%
	Voltage Deviation	5%, Load change 50% to 100%
Efficiency		See model list, measuring at rated load and 230VAC input.
Ripple and Noise		See model list, measuring by using a 0.1μF/630V metalize capacitor and a 47μF electrolytic capacitor parallel on the test point, at rated load and 230VAC input.

Specification

Protection	
Input Fuse	3.15A/250V
Internal Surge Load Protection	Varistor, IEC 61000-4-5
Degree of Protection	IP20
Short Circuit Protection	Autorecovery
Over Voltage Protection	Autorecovery
Rated Over Load Protection	160~200 %
Overload protection	Power limited
Additional Functions	
Back-up	External battery supply back-up power source to DC output while AC failed
Alarm Signal	1A relay dry contact, Short while AC supplying and open while AC failed.

Derating Curve**Mechanical Details**