



UTD-350

LED Ultra-Thin Power Supply(C&V)

- Universal AC input(full range)(175-277VAC)
- Built-in active PFC function
- Efficiency up to 93%, super thin and small size.
- Protection:short circuit/over load/over voltage/over temperature
- IP67 design for indoor or outdoor installation
- It can be used in dry ,wet and rainy environment
- Cooling by free air, high reliability
- Up to 50000-hour life time
- Suitable for internal lights application for 1/3/3L
- Widely used in LED lighting and IT equipment
- Compliance to worldwide safety regulation for led lightings.



175-277VAC

PF>0.96

THD<5%



Specification

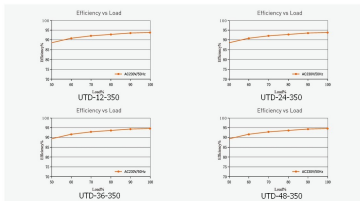
Model	UTD-12-350	UTD-24-350	UTD-36-350	UTD-48-350
OUTPUT	Output voltage	12VDC	24VDC	36VDC
	Output voltage range	12VDC±8.2%DC	24VDC±8.4%DC	36VDC±8.4%DC
	Output current	Max 2.9A	Max 14.5A	Max 9.0A
	Output power	Max 350W		
	Output power range	0-358W		
	Ripple & Noise	≤250mV	≤250mV	≤250mV
	Linear Regulation	±1%		
	Load Regulation	±1%		
	Start-up Time (Typ)	600ms/230VAC	700ms/175VAC	
	Rise Time(Typ)	50ms/230VAC	50ms/175VAC	
INPUT	Input voltage	175-277Vac		
	Frequency	50Hz		
	Input current	2.28-1.53A		
	Power factor	PF>0.96/230VAC, at full load;	PF>0.96/175VAC, at full load	
	No-load power consumption	<0.5W		
	THD	≤12% at 230VAC, at full load;	≤10% at 175VAC, at full load	
	Efficiency (typ.)	92%	92.5%	94%
	Inrush current(typ.)	65A/230VAC		
	Control surge capability	L,N/2W L,N-PE 4kW		
	Leakage current	Max. 0.5mA		
DIVROBDDT	Working temperature	1a: -30°C - 50°C 1c: 80°C		
	Working humidity	20 - 95%RH, condensing/Waterproof		
	Storage temp., humidity	-40°C - 80°C, 10-95%RH		
	Vibration	10-500Hz, 20 12min/1cycle, period for 72min, each along X, Y, Z axes.		
PROTECTION	Overtemperature	Protection type: Turn off the output voltage, after the temperature drops, re-energize to restore.		
	Over voltage protection	Default voltage 214-18k, turn off the output, after the abnormality is eliminated, re-energize to recover.	Output voltage 22P-35k, turn off the output, after the abnormality is eliminated, re-energize to recover	
	Over load protection	Shut down the output when current load ≥118%~150%, auto recovers.		
	Short circuit protection	Protection type: It can be automatically restored after the fault is eliminated.		
SAFETY & EMC	Withstand voltage	UP-DIP: 3750VAC		
	Isolation resistance	UP-DIP: 100MΩ/50VDC/25°C/70%RH		
	Safety standards	IEC/EN61347/IEC/EN60973/FM7		
	EMC directives	EN55015:2013/CEC Part 15B/EN61547:2009/EN61000-3-2:2014/EN61000-3-3:2013		
Reliability and Quality Control	EMC immunity	EN1080-5-2,3,4,5,6,8,11 ENA1567		
	Inspect aging	100% of the product is fully loaded and impacted for 4 hours under an environment of at least 40°C ±5°C		
NOTE	Component derating	Under the steady-state conditions of rated input and output, the stress of components will not exceed its maximum nominal value		
		1. All parameters not specifically mentioned are measured at 230VAC input, rated load and 25°C ambient temperature. 2. Ripple and noise test method: connect 0.1μF and 47μF capacitors in parallel at the terminal, and measure under 20MHz bandwidth. 3. Ensure that the power supply is used under the rated parameters and environment		

Dimensions

Unit:mm



Relationship diagrams



Packaging Information

DIMENSION	282x86x23.3mm(LxWxH)
PACKING	334x110x30mm(LxWxH)
CARTON QUANTITY	10PCS
CARTON SIZE	345x343x175mm(LxWxH)
WEIGHT	1250g±10g/PCS

