

Features

- Input Voltage 90~305V AC
- Built in Active PFC Function
- Approved to UKCA, CE
- Safety Approved to IEC 62368-1 BS EN/EN 62368-1
- Efficiency up to 90%
- Protection: OLP, OVP, OTP SCP
- 3 Years Warranty



Certified to UKCA, CE, RoHS, REACH & IEC 62368-1/BS EN 62368-1/EN 62368-1 Standards and complies with the relevant Efficiency Regulations. These are primarily used in ITE, Audio & Video Industries and customised solutions are available upon request.

Models						
Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Voltage Adj. Range (V)	Efficiency	Max Capacitive Load
56YEP150-05	5	30	150	4.75~5.5	87	10000uF
56YEP150-7.5	7.5	20	150	6.75~8.25	88	8000uF
56YEP150-12	12	12.5	150	11.4~13.2	89	5000uF
56YEP150-13.5	13.5	11.2	151.2	12.8~14.9	89	5000uF
56YEP150-15	15	10	150	14.3~16.5	88.5	5000uF
56YEP150-24	24	6.25	150	22.8~26.4	89	5000uF
56YEP150-27	27	5.6	151.2	25.7~29.7	89.5	4000uF
56YEP150-36	36	4.17	150	34.2~39.6	89	
56YEP150-48	48	3.12	149.8	45.6~52.8	90	3000uF
56YEP159-60	60	2.5	150	57~66	89	

Input Specifications	
Voltage Range	90-305VAC/127-430VDC
Frequency Range	47-63Hz
Power Factor	PF>0.93/230VAC at full load
	PF>0.98/115VAC at full load
Ac Current (Typ.)	1.6A/115VAC
	0.8A/230VAC
Inrush Current (Typ.)	COLD START 45A/230VAC
Leakage Current	<2mA/240VAC



Output Specifications

	-	
Ripple & Noise (Max)	100mVp-p	5v, 7.5v, 12v, 15v
	150mVp-p	24v, 27v
	250mVp-p	48v
Voltage Tolerance	±2.0%	
Line Regulation	±0.5%	
Load Regulation	±1.0%	5v
	±0.5%	Others
Setup, Rise Time	600ms, 30ms	at full load
Hold Up Time (Typ.)	16ms at full lo	oad

Overland	105%-135% Ra	ated Output Power
Overload	Protection type:	: Constant current limiting, recovers automatically after fault condition is removed
	5.75~6.75v	5v
	8.6~10.2v	7.5v
	13.2~16.2v	12v
	14.85~18.23v	13.5v
Over Veltage	16.5~20.25v	15v
Over Voltage	26.4~32.4v	24v
	29.7~36.45v	27v
	39.6~48.6v	36v
	52.8~64.8v	48v
	66~18v	60v
Over Temperature	Protection type:	: Shut down o/p voltage, re-power on to recover.
Over Temperature	Protection type:	: Shut down o/p voltage, recovers automatically after temperature goes down.

Function	
Remote Control	CN:<0~0.8VDC POWER ON. 4~10VDC POWER OFF

Environmental Characteristics		
Working Temp.	-30°C to +70°C (Refer to "Derating Curve")	
Working Humidity	20~90% RH non-condensing	
Storage Temp., Humidity	-40°C to +85°C, 10~95% RH non-condensing	
Temp. Coefficient	±0.05%/ °C (0~50°C)	
Vibration	10~500Hz, 2G 10min./1 cycle, 60min. each along X, Y, Z axes	
Over Voltage Category	III; According to EN61558, EN50178, EN60664-1, EN62477-1; altitude up to 2000 meters	

Safety	
Safety Standards	BS EN/EN62368-1, BS EN/EN61558-1, BS EN/EN 6
Withstand Voltage	I/P-O/P:4KVAC I/P-FG:2KVAC O/P:0.5KVAC
Isolation Resistance	I/P-O/P, I/P-FG, O/P-F/G: 100M Ohms/ 500VDC/
EMO E : :	Compliance to BS EN/EN55032 (CISPR32) Class E
EMC Emission	·



EMC Immunity	Compliance to BS EN/EN61000-4-3, 11 Criteria B
	BS EN/EN61000-4-2,4,5,6,8 Criteria A

MTBF	280K hrs min. MIL-HDBK-217F (25°C)
Safety Protection	Class 1
Dimension	179x99x30mm(L*W*H)
Weight	550g

Notes:

- All parameters NOT speciaally mentioned are measured at 115/230VAC input, rated load and 25°C of ambient temperature.
- 2. Ripple and noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
- The power suplly is considered a component which will be instqalled into a final equipment. The final equipment must be re-confirmed that it still meets the EMC directives. For guidence on how to perfrom these EMC tests, please refer to "EMI testing of component power supplies".
- 4. Derating may be needed under low input voltages. Please check the derating curve for more details.
- 5. Strongly recommend that external output capacitance should not exceed 10000uF (Only for models woth output votlage 5/12V)
- 6. The ambient temperature derating of 3.5°C/ 1000m with fanless models and of 5°C/ 1000m with fan models for operating altitude higher than 2000m(6500ft).

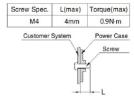
Mechanical Drawing 60 65 117 # R.C. 1 2 DOLED 66 2-M4 L=4mm 9 # 15 117 -11-2 • 4-M4(Both Sides) L=4mm

No.	Description
1	AC/L
2	AC/N
3	FG \

Output	
No.	Description
4,5	DC OUTPUT -V
6,7	DC OUTPUT +V

 $Remote\ ON/OFF(CN): JSTS2B-XH\ or\ equivalent (optional)$

1 RC+ JSTXHP JSTSX	erminal
, IC+ 121 VUL 121 2V	(H-001T-P0.6
2 RC- or equivalent or e	equivalent



Note: Unit: mm[inch] Wire range: 22-12AWG

Connector tightening torque: M3.5 , 0.8N·m General tolerances: ±1.00[±0.039]



