

STDA65 SERIES



80W Desktop for Information Technology Equipment

- Wide Input Voltage 90 to 264 VAC, 47 to 63Hz
- IEC-320-C14 input inlet and optional AC cords (EU, UK, US, Japan types)
- Output Voltage Available From 3VDC Thru 48VDC, Single to Quad Output
- Input Surge Current, Over Voltage, Over Load and Output Voltage protection.
- Splash Proof, Class I Insulation
- High Efficiency, RoHS compliance

2 Year Warranty

Approvals:

Single Output

Model Number	Output Voltage	Output Current	Total Regulation	Maximum Output Power
STDA65-S01 *	3 ~ 5 VDC	16.6 ~ 10.0 A	7%	50W
STDA65-S02 *	5 ~ 6 VDC	13.0 ~ 10.8 A	7%	65W
STDA65-S03 *	6 ~ 8 VDC	11.6 ~ 8.70 A	5%	69.6W
STDA65-S04 *	8 ~ 11 VDC	9.37 ~ 6.81 A	5%	75W
STDA65-S05 *	11 ~ 13 VDC	7.27 ~ 6.15 A	5%	80W
STDA65-S06 *	13 ~ 16 VDC	6.15 ~ 5.00 A	5%	80W
STDA65-S07 *	16 ~ 21 VDC	5.00 ~ 3.80 A	5%	80W
STDA65-S08 *	21 ~ 27 VDC	3.80 ~ 2.96 A	5%	80W
STDA65-S09 *	27 ~ 33 VDC	2.96 ~ 2.42 A	5%	80W
STDA65-S10 *	33 ~ 40 VDC	2.42 ~ 2.00 A	5%	80W
STDA65-S11 *	40 ~ 48 DC	2.00 ~ 1.66 A	5%	80W

Multi Output

Model Number	Output 1				Output 2				Output 3				Output 4				Maximum Output Power
	Vonom	lomin	lomax	Regmax	Vonom	lomin	lomax	Regmax	Vonom	lomin	lomax	Regmax	Vonom	lomin	lomax	Regmax	
STDA65-D00	+3.3V	0.7A	7A	7%	+12V	0.55A	2.75A	5%									56.1W
STDA65-D01	+5V	0.7A	7A	5%	+12V	0.6A	3A	5%									65W
STDA65-D02	+5V	1.4A	7A	5%	+15V	0.6A	3A	7%									65W
STDA65-D03	+5V	1.4A	7A	5%	+24V	0.3A	2A	5%									65W
STDA65-D04	+3.3V	1.4A	7A	7%	+5V	0.6A	3A	5%									38.1W
STDA65-D15	+5V	1.4A	7A	5%					-24V	0.4A	2A	5%					65W
STDA65-T00	+3.3V	1.4A	7A	7%	+12V	0.6A	3A	5%	-12V	0.1A	0.8A	5%					65W
STDA65-T01	+5V	0.6A	6A	5%	+12V	0.3A	3A	5%	-5V	0A	0.8A	5%					65W
STDA65-T02	+5V	0.6A	6A	5%	+12V	0.3A	3A	5%	-12V	0A	0.8A	5%					65W
STDA65-T03	+5V	0.6A	6A	5%	+15V	0.3A	3A	5%	-15V	0A	0.8A	5%					65W
STDA65-T04	+5V	0.7A	7A	5%	+24V	0.2A	2A	5%	-24V	0A	0.8A	5%					65W
STDA65-T05	+5V	0.6A	6A	5%	+24V	0.2A	2A	5%	-12V	0A	0.8A	5%					65W
STDA65-T06	+3.3V	0.7A	7A	7%	+12V	0.6A	3A	5%	-5V	0A	0.8A	5%					63.1W
STDA65-403	+5V	0A	3.5A	5%	+24V	0.1A	1.5A	5%	+12V	0A	0.25A	5%	-12V	0A	0.15A	5%	65W

Mark * represents "PSE approval". The output voltages under 15V are approved by TUV/PSE. The output voltages 15V~60V are approved by JET/PSE.

Conditions

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature		0		70	°C
Storage Temperature		-40		85	°C
Relative Humidity		5		95	%
Operating Temperature at 25°C, Calculated per MIL-HDBK-217F		100			K Hrs
De-rate linearly from 100% load at 40°C to 50% load at 70°C					

Electrical Characteristics

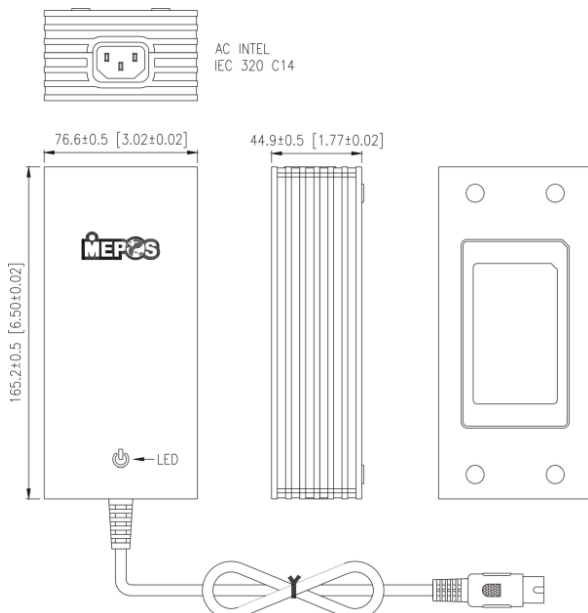
Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Input Voltage	Operating Voltage	90		264	VAC
Input Frequency		47		63	Hz
Output Power Range	Vin= 90 to 264 VAC	0		80	W
Input Current (Low Line)	Io=Full load, Vin=115 VAC			1.9	A
Input Current (High Line)	Io=Full load, Vin= 230 VAC			1.5	A
Low Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=115VAC		12	15	A
High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230 VAC		26	30	A
Efficiency	Io=Full Load, Vin=230VAC	75	83	88	%
Line Regulation	Io=Full Load		0.5	1	%
Load Regulation	Vin=230VAC		5	7	%
Over Voltage Protection		112		132	%
Over Current Protection		110		150	%
Transient Response	Io=Full Load to Half Load, Vin=100VAC			4	mS
Hold-Up Time	Io=Full Load, Vin=110VAC	16			mS
Start Up Time	Io=Full Load, Vin=100VAC	0.3	1	2	S
* Ripple & Noise (Peak to Peak)	Full Load, Vin=90VAC		0.5	1	%
Safety Ground Leakage Current	Io= Full Load, Vin=240VAC		0.5	0.75	mA
Temperature Coefficient	All output	-0.04		0.04	%/°C

* **Note:** The Ripple & Noise which is under 3.3VDC at 2% max

Approvals and Compliances

Parameter	Test Conditions	Min.	Unit
Dielectric Withstanding Voltage for Primary to secondary	Primary to secondary	4242	VDC
Dielectric Withstanding Voltage for Primary to Ground	Primary to ground	2121	VDC
Isolation Resistance	Test Voltage=500VDC	50	MΩ
EMI requirements for CISPR-22	Vin=220VAC	B	CLASS
EMI requirements for FCC PART-15	Vin=110VAC	B	CLASS
Safety UL/c-UL, TUV/GS, CE, CCC, PSE(1~30V), CB, STQC,BSMI, EK	UL 60950-1, EN 60950-1, IEC 60950-1	n/a	n/a

Mechanical and PIN out



Note:

1. Dimensions are shown in mm & inch
2. Weight: approx. 570~750g approx. (Exclude the input cord)
3. Optional output connector.