

120 OR 230 VAC INPUT AC TO DC EXTERNAL WALL-PLUGGABLE & DESKTOP REGULATED LINEAR ADAPTORS OUTPUT WATTAGE FROM 2-20 WATTS ER-41/57/60/66 SERIES



FEATURES:

- **LOW COST AND COMPACT SIZE**
- **VOLTAGE REGULATOR IC INSTALLED**
- **CUSTOM INPUTS AND OUTPUTS ADAPTORS**
- **WALL PLUGGABLE AND DESKTOP AVAILABLE**
- **DESIGNED TO MEET US, JAPANESE AND EUROPEAN STANDARDS**

SPECIFICATIONS:

INPUT SPECIFICATIONS:

Input Voltage: 120 or 230 VAC (Custom voltages Available, upon request)
Input Voltage Range: $\pm 5\%$
Input Frequency: 50Hz for nominal 220/230 VAC
60 Hz for nominal 100/110/115/120 VAC
Input AC Plug: See Option A
Input Current: 1.7A @115Vac / 0.75A @ 230Vac
Dielectric Withstand: Meet IEC950
Input to Output: 3,000Vac RMS for 1 minute
Output to Ground: 1,500Vac RMS for 1 minute
Output to Ground: 500Vac RMS for 1 minute
EMI: Inherent low conducted and radiated noise level, Meets CISPR PUB.22 / FCC Class B

OUTPUT SPECIFICATIONS:

Output Voltage/Current: See Ratings Chart
Output Wattage:
APS41ER Series Typ. 2.4 to 8.4 Watt
APS57ER Series Typ. 9.0 to 20.0 Watt
Output Connector: See Option B
Load Regulation:
Typ. 1.5% at the output of adaptor body
Noise & Ripple: Typical 1.0% peak to peak
OVP: Not available
Remote Sensing: Available
Adjustability: Not adjustable
Short Circuit Protection:
Protected by post Regulator IC

GENERAL SPECIFICATIONS:

Efficiency: Typical 50%
Transient Response: Less than 50 μ sec. for a 50% load change
Hold-up Time: Less than 1 mS at nominal input and with typical load
Thermal Protection: Installed with thermal fuse in the transformer

Operating Temperature: 0 to 40°C
Storage Temperature: -20°C to +85°C
Cooling: Free air convection
Construction:
Impact resistant thermo-plast case
Safety Standard: IEC950/ UL1950

120VAC INPUT SINGLE OUTPUT MODEL No. DESCRIPTION: BY RANGES

A. MODEL NO. DESCRIPTION <By range> APS41ER – XXX YYY

This APS41ER single output series have safety certified under a limited maximum output of a combination of voltage ranges (3.0 to 24VDC) and current ranges (0.8A to 3.5A)

Remark: Please specify the V/A ratings and consult APS for model numbers

OUTPUT CURRENT
OUTPUT VOLTAGE
SERIES NAME

VOLTAGE/CURRENT RATINGS CHART APS41ER SERIES SINGLE OUTPUT BY RANGES

INPUT: VAC / HZ / mA	NO of O/P	OUTPUT VOLTAGE	MAX. O/P AMP	MAX. O/P WATT	CASE	SAFETY
120 VAC / 60 Hz / 160 mA	SINGLE	3.5 TO 5.0 Vdc	0.80 A	2.4 to 4.0 W	EI41/4 WM1	UL, cUL
120 VAC / 60 Hz / 160 mA	SINGLE	5.1 TO 6.4 Vdc	0.75 A	4.2 W	EI41/4 WM1	UL, cUL
120 VAC / 60 Hz / 160 mA	SINGLE	6.5 TO 7.4 Vdc	0.72 A	4.7 W	EI41/4 WM1	UL, cUL
120 VAC / 60 Hz / 160 mA	SINGLE	7.5 TO 8.4 Vdc	0.69 A	5.2 W	EI41/4 WM1	UL, cUL
120 VAC / 60 Hz / 160 mA	SINGLE	8.5 TO 10.4 Vdc	0.67 A	5.7 W	EI41/4 WM1	UL, cUL
120 VAC / 60 Hz / 160 mA	SINGLE	10.5 TO 11.4 Vdc	0.63 A	6.6 W	EI41/4 WM1	UL, cUL
120 VAC / 60 Hz / 160 mA	SINGLE	11.5 TO 12.4 Vdc	0.61 A	7.0 W	EI41/4 WM1	UL, cUL
120 VAC / 60 Hz / 160 mA	SINGLE	12.5 TO 14.4 Vdc	0.59 A	7.4 W	EI41/4 WM1	UL, cUL
120 VAC / 60 Hz / 160 mA	SINGLE	14.5 TO 24.0 Vdc	0.57 A	8.4 W	EI41/4 WM1	UL, cUL

VOLTAGE/CURRENT RATINGS CHARTS <SINGLE OUTPUT BY , MODEL NO.>

MODEL NO.	INPUT VAC / Hz / mA	NO. OF OUTPUTS	OUTPUT V A	CONSTRUCTION CASE NO. FORMAT	SAFETY APPROVALS
APS41ER-110	120 60Hz 160mA	SINGLE	5.0V / 0.6A	EI41/4 WM1,2/DT	UL,CSA
APS41ER-112	115 60Hz 160mA	SINGLE	12.0V / 0.4A	EI41/4 WM1	
APS41ER-113	115 60Hz 160mA	SINGLE	16.0V / 0.2A	EI41/4 WM1	
APS41ER-210	230 50Hz 160mA	SINGLE	5.0V / 0.6A	EI41/4 WM3	
APS41ER-211	230 50Hz 160mA	SINGLE	9.0V / 0.25A	EI41/4 WM3	
APS41ER-212	240 50Hz 160mA	SINGLE	12.0V / 0.4A	EI41/4 WM5	
APS41ER-213	230 50Hz 160mA	SINGLE	16.0V / 0.2A	EI41/4 WM3	
APS57AER-110	120V 60Hz 210mA	SINGLE	5.0V / 2.0A	EI57/2 WM1,2/DT	UL, CSA
APS57AER-110	120V 60Hz 210mA	SINGLE	9.0V / 1.2A	EI57/2 WM1,2/DT	UL, CSA
APS57AER-112	120V 60Hz 210mA	SINGLE	12.0V / 1.0A	EI57/2 WM1,2/DT	UL, CSA
APS57AER-112A	120V 60Hz 210mA	SINGLE	12.0V / 1.2A	EI57/2 WM1,2/DT	UL, CSA
APS57AER-113	120V 60Hz 210mA	SINGLE	15.0V / 0.8A	EI57/2 WM1,2/DT	UL, CSA
APS57AER-114	120V 60Hz 210mA	SINGLE	24.0V / 0.5A	EI57/2 WM1,2/DT	UL, CSA
APS57AER-115	120V 60Hz 210mA	SINGLE	7.5V / 1.5A	EI57/2 WM1,2/DT	UL, CSA
APS57AER-116	120V 60Hz 210mA	SINGLE	18.0V / 0.6A	EI57/2 WM1,2/DT	UL, CSA
APS57ER-110J	100V 60Hz 350mA	SINGLE	5.0V / 1.0A	EI57/2 WM1,2/DT	UL, CSA
APS57AER-210	230V 50Hz 100mA	SINGLE	5.0V / 2.0A	EI57/2 WM3,4/DT	TUV
APS57/3ER-212	220V 50Hz 100mA	SINGLE	12.0V / 1.1A	EI57/3 DT7	
APS57/3ER-213	220V 50Hz 100mA	SINGLE	15.0V / 1.0A	EI57/3 DT3	
APS57/3ER-214	240V 50Hz 100mA	SINGLE	24.0V / 0.5A	EI57/3 DT5	
APS57/3ER-215	240V 50Hz 100mA	SINGLE	8.0V / 1.5A	EI57/3 DT5	
APS57/3ER-113	120V 60Hz 300mA	SINGLE	15.0V / 1.3A	EI57/3 DT	UL, CSA
APS57/3ER-310	100-120V 60Hz 240mA or 200-240 50 Hz 120mA	SINGLE	5.0V / 1.5A	EI57/3 DT	UL, CSA
APS57ER-312	125V 60Hz 240mA 220V 50Hz 120mA	SINGLE	12.0V / 1.0A	EI57/3 DT7	
APS57ER-314	115V 60Hz 240Ma or 230V 50Hz 120mA	SINGLE	24.0V / 0.5A	EI57/3 DT7	
APS60ER-112	120V 60Hz 250mA	SINGLE	12.0V / 1.2A	EI60/1 DT2	
APS66ER-010	AUTO-RANGING I/P	SINGLE	5.0V / 1.0A	EI66/3 DT7	
APS66/3ER-115	120V 60Hz 270mA	SINGLE	8.0V / 2.0A	EI66/3 DT2	UL

VOLTAGE/CURRENT RATINGS CHARTS <DUAL & TRIPLE OUTPUT BY , MODEL NO.>

MODEL NO.	INPUT VAC / Hz / mA	NO. OF O/P	O/P #1		O/P # 3		O/P #3		CONSTRUCTION		SAFETY APPROVALS
			Vdc	Amp	Vdc	Amp	Vdc	Amp	CASE NO.	FORMAT	
APS57ER-020	AUTO-RANGING I/P	DUAL	5.0V / 0.7A		-5.0V / 0.7A				EI57/3	DT7	
APS57ER-120	120 60Hz 240mA	DUAL	5.0V / 1.5A		-5.0V / 0.8A				EI57/3	DT2	
APS57ER-121	120 60Hz 240mA	DUAL	5.0V / 0.6A		+12.0V / 0.6A				EI57/3	DT1	
APS57ER-124	120 60Hz 240mA	DUAL	5.0V / 0.7A		-5.0V / 0.7A				EI57/3	DT2	
APS57ER-125	120 60Hz 240mA	DUAL	5.0V / 0.7A		-5.0V / 0.7A				EI57/3	DT (S&T)	
APS57ER-221	230 50Hz 120mA	DUAL	5.0V / 1.0A		-12.0V / 0.5A				EI57/3	DT7	
APS57ER-223	230 50Hz 120mA	DUAL	5.0V / 0.5A		+24.0V / 0.3A				EI57/3	DT5	
APS57ERT-224	230 50Hz 120mA	DUAL	24.0V / 0.3A		+60.0V/0.35A				EI57/3	DT3	
APS57ER-225	230 50Hz 120mA	DUAL	15.0V / 0.4A		-15.0V / 0.4A				EI57/3	DT (S&T)	
APS57ER-324	120 60Hz 240mA or 220V 50Hz 120mA	DUAL	12.0V/0.25A		+12.0V/0.18A		-12V / 0.075A		EI57/3	DT7	
APS57/3ER-130	115 60Hz 240mA or 230V / 50Hz / 120mA	TRIPLE	5.0V / 0.8A		+12.0V/0.18A		-12.0V / 0.15A		EI57/3	DT	UL, CSA
APS57/3ER-130B	115 60Hz 200mA	TRIPLE	5.0V / 0.86A		+12.0V/0.3A		-12.0V / 0.3A		EI57/3	DT	UL, CSA
APS57/3ER-130C	115 60Hz 200mA	TRIPLE	5.0V / 1.0A		+12.0V/0.25A		-12.0V / 0.25A		EI57/3	DT	UL, CSA
APS57ERT-132	115 60Hz 200mA	TRIPLE	5.0V / 0.35A		+12.0V/0.25A		+28VAC/0.25A		EI57/3	DT2	
APS57ERA-130	115 60Hz 200mA	TRIPLE	24.0V / 0.35A		+44.0V/0.12A		-26.0V / 0.1A		EI57/3	DT1	
APS57ER-133	115 60Hz 240mA	TRIPLE	5.0V / 0.5A		+15.0V/0.3A		-15.0V / 0.3A		EI57/3	DT2	
APS57/3ER-230	110-120 60Hz 240mA or 220-240 50Hz 120mA	TRIPLE	5.0V / 0.8A		+12.0V/0.18A		-12.0V / 0.15A		EI57/3	DT	TUV
APS57/3ER-330	115 60Hz 240mA	TRIPLE	5.0V / 0.8A		+12.0V/0.18		-12.0V / 0.15A		EI57/3	DT	UL, CSA
APS57ERT-230	220V 50 Hz 120mA	TRIPLE	5.0V / 0.35A		+12.0V/0.25A		-28VAC/0.25A		EI57/3	DT4	
APS66ER-121	120 60Hz 270mA	DUAL	5.0V / 2.0A		-12.0V/1.0A				EI66/2	DT2	
APS66ER-130	120 60Hz 270mA	TRIPLE	5.0V / 0.86A		+12.0V/0.5A		-12.0V / 0.5A		EI66/3	DT2	