



■ Features

- Universal AC input / Full range
- No load power consumption <0.1W (<0.3W for 15~35W)
- High efficiency up to 91%
- Compact size, 1U low profile
- Cooling by free air convection
- Protections: Short circuit / Overload / Over voltage
- Class I or Class II installations
- LED indicator for power on (EPS-25/35/45S/65S)
- 3 years warranty

■ General Specification (Please refer to www.meanwell.com for detail spec.)



Model No.	EPS-15	EPS-25	EPS-35	EPS-45S	EPS-65S
AC input voltage range	85~264VAC; 120~370VDC			80~264VAC	
AC inrush current (max.)	Cold start, 45A at 230VAC	Cold start, 35A at 230VAC	Cold start, 40A at 230VAC	Cold start, 60A at 230VAC	
DC adjustment range	±10% rated output voltage			-5~+10% rated output voltage	
Overload protection	Range	115%~150% rated output power		115%~150% rated output power	
	Type	Hiccup mode, auto-recovery			
Over voltage protection	110%~135% shut down o/p voltage, re-power on to recover				
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG:2kVAC, O/P-FG: 0.5kVAC				
Working temperature	-30~+70°C (refer to output derating curve)				
Safety standards	UL60950-1, TUV EN60950-1 approved (EPS-45S/65S pending)				
EMC standards	EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11 (EPS-45S/65S pending)				
Connection	JST B3P/B2P-VH			JST B3P/B4P-VH	
Dimension (LxWxH)(mm)	63.5x45.7x24		76.2x50.8x24		

■ 15W—Class I EPS-15

Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-15-3.3	3.3V, 0~3A / 3.3A	±2%	50mV	75%
EPS-15-5	5V, 0~3A / 3.3A	±2%	50mV	78%
EPS-15-7.5	7.5V, 0~2A / 2.2A	±2%	80mV	81%
EPS-15-12	12V, 0~1.25A / 1.38A	±1%	80mV	82%
EPS-15-15	15V, 0~1A / 1.1A	±1%	100mV	83%
EPS-15-24	24V, 0~0.625A / 0.69A	±1%	150mV	83%
EPS-15-27	27V, 0~0.56A / 0.615A	±1%	180mV	84%
EPS-15-36	36V, 0~0.42A / 0.46A	±1%	200mV	85%
EPS-15-48	48V, 0~0.313A / 0.344A	±1%	200mV	85%

■ 25W—Class I EPS-25

Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-25-3.3	3.3V, 0~5A / 5.5A	±2%	60mV	79%
EPS-25-5	5V, 0~5A / 5.5A	±2%	60mV	81%
EPS-25-7.5	7.5V, 0~3.4A / 3.74A	±2%	80mV	83%
EPS-25-12	12V, 0~2.1A / 2.34A	±1%	100mV	86%
EPS-25-15	15V, 0~1.7A / 1.87A	±1%	100mV	87%
EPS-25-24	24V, 0~1.05A / 1.17A	±1%	180mV	88%
EPS-25-27	27V, 0~0.95A / 1.05A	±1%	180mV	89%
EPS-25-36	36V, 0~0.7A / 0.78A	±1%	200mV	89%
EPS-25-48	48V, 0~0.53A / 0.59A	±1%	240mV	90%

■ 35W—Class I EPS-35

Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-35-3.3	3.3V, 0~6A / 6.6A	±2.5%	60mV	80%
EPS-35-5	5V, 0~6A / 6.6A	±2.0%	70mV	82%
EPS-35-7.5	7.5V, 0~4.7A / 5.2A	±2.0%	80mV	84%

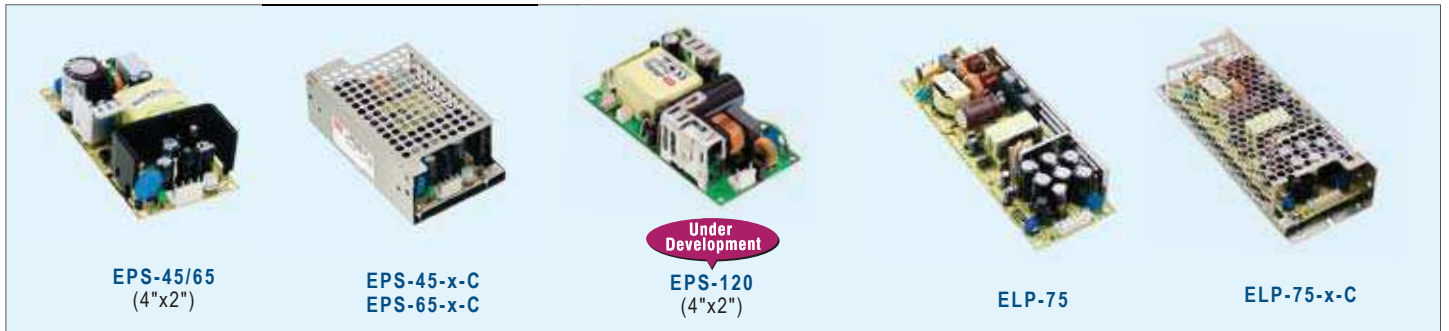
Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-35-12	12V, 0~3A / 3.3A	±1.0%	100mV	87%
EPS-35-15	15V, 0~2.4A / 2.65A	±1.0%	100mV	88%
EPS-35-24	24V, 0~1.5A / 1.65A	±1%	180mV	89%
EPS-35-27	27V, 0~1.3A / 1.45A	±1%	180mV	89%
EPS-35-36	36V, 0~1A / 1.1A	±1%	200mV	89%
EPS-35-48	48V, 0~0.75A / 0.82A	±1%	240mV	90%

■ 45W—Class II NEW EPS-45S

Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-45S-3.3	3.3V, 0~8A / 8.8A	±2%	80mV	80%
EPS-45S-5	5V, 0~8A / 8.8A	±2%	80mV	83%
EPS-45S-7.5	7.5V, 0~5.4A / 5.95A	±2%	80mV	85%
EPS-45S-12	12V, 0~3.8A / 4.18A	±2%	120mV	88%
EPS-45S-15	15V, 0~3A / 3.3A	±2%	150mV	89%
EPS-45S-24	24V, 0~1.9A / 2.1A	±1%	240mV	90%
EPS-45S-48	48V, 0~0.94A / 1.03A	±1%	300mV	91%

■ 65W—Class II NEW EPS-65S

Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-65S-3.3	3.3V, 0~11A / 12.12A	±2%	80mV	80%
EPS-65S-5	5V, 0~10A / 11A	±2%	80mV	83%
EPS-65S-7.5	7.5V, 0~8A / 8.8A	±2%	80mV	85%
EPS-65S-12	12V, 0~5.42A / 5.96A	±2%	120mV	88%
EPS-65S-15	15V, 0~4.34A / 4.77A	±2%	150mV	89%
EPS-65S-24	24V, 0~2.71A / 2.98A	±1%	240mV	90%
EPS-65S-48	48V, 0~1.36A / 1.49A	±1%	300mV	91%



Features

- Compact size, 1U low profile
- Universal AC input / Full range
- Built-in active PFC function (ELP-75)
- Class I or Class II installations
- No load power consumption < 0.3W (<0.5W for ELP-75)
- High efficiency up to 91%
- Protections: Short circuit / Overload / Over voltage / Over temp.(EPS-120)
- Cooling by free air convection
- Built-in 12V/0.5A auxiliary output (EPS-120)
- LED indicator for power on
- 3 years warranty

General Specification (Please refer to www.meanwell.com for detail spec.)



Model No.	EPS-45-x(-C)	EPS-65-x(-C)	EPS-120	ELP-75-x(-C)
Rated Power	Fan	NA	120W (20.5CFM)	NA
	Convection	45W	90W	75W
AC input voltage range	90~264VAC		80~264VAC	90~264VAC
DC adjustment range	±10% rated output voltage		±5%	±10%
Overload protection	Range	115%~150% rated output power		105%~150% rated output power
	Type	Hiccup mode, auto-recovery		
Over voltage protection	110%~130% shut down o/p voltage, re-power on to recover			
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG:2kVAC, O/P-FG: 0.5kVAC, 1 minute			I/P-O/P: 3kVAC, I/P-FG:1.5kVAC, O/P-FG: 0.5kVAC
Working temperature	-30~+70°C (refer to output derating curve)			
Safety standards	UL60950-1, TUV EN60950-1 approved (EPS-120 pending)			
EMC standards	EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11 (EPS-120 pending)			
Connection	3+4P/3.96mm pitch, JST B3P/B4P-VH			3+4P/3.96mm pitch, JST B3P/B6P-VH
Dimension (LxWxH)(mm)	PCB: 101.6x50.8x29 ; Case: 103.4x62x37		101.6x 50.8x 29	PCB: 175x 60x 27 ; Case: 195x 68.5x 33

45W—Class I EPS-45

Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-45-3.3□	3.3V, 0~8A / 9A	±3%	80mV	80%
EPS-45-5□	5V, 0~8A / 9A	±2%	80mV	82%
EPS-45-7.5□	7.5V, 0~5.4A / 5.6A	±2%	100mV	84%
EPS-45-12□	12V, 0~3.75A / 4.2A	±2%	120mV	87%
EPS-45-15□	15V, 0~3A / 3.3A	±2%	150mV	88%
EPS-45-24□	24V, 0~1.9A / 2.1A	±1%	240mV	89%
EPS-45-36□	36V, 0~1.25A / 1.4A	±1%	280mV	89%
EPS-45-48□	48V, 0~1A / 1.1A	±1%	300mV	90%

□ = blank, -C ; blank: PCB type, -C: Enclosed type

120W—Class I or II Under Development EPS-120

Model No.	Output	Tol.	R&N	Effi.
EPS-120-12	12V, 0~10A	±2%	120mV	88.0%
EPS-120-15	15V, 0~8A	±2%	120mV	88.5%
EPS-120-24	24V, 0~5A	±1%	150mV	90.0%
EPS-120-27	27V, 0~4.5A	±1%	150mV	90.0%
EPS-120-48	48V, 0~2.5A	±1%	200mV	91.0%

65W—Class I EPS-65

Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-65-3.3□	3.3V, 0~11A / 12A	±3%	80mV	80%
EPS-65-5□	5V, 0~11A / 12A	±2%	80mV	82%
EPS-65-7.5□	7.5V, 0~8A / 8.8A	±2%	100mV	84%
EPS-65-12□	12V, 0~5.42A / 6A	±2%	120mV	86%
EPS-65-15□	15V, 0~4.34A / 4.8A	±2%	150mV	87%
EPS-65-24□	24V, 0~2.71A / 3A	±1%	240mV	88%
EPS-65-36□	36V, 0~1.81A / 2A	±1%	280mV	89%
EPS-65-48□	48V, 0~1.36A / 1.5A	±1%	300mV	90%

□ = blank, -C ; blank: PCB type, -C: Enclosed type

75W—Class I ELP-75

Model No.	Output	Tol.	R&N	Effi.
ELP-75-3.3□	3.3V, 0~15A	±3%	80mV	80%
ELP-75-5□	5V, 0~15A	±2%	80mV	82%
ELP-75-12□	12V, 0~6.25A	±2%	120mV	89%
ELP-75-15□	15V, 0~5A	±2%	150mV	90%
ELP-75-24□	24V, 0~3.15A	±1%	240mV	90%
ELP-75-36□	36V, 0~2.1A	±1%	280mV	90%
ELP-75-48□	48V, 0~1.6A	±1%	300mV	90%

□ = blank, -C ; blank: PCB type, -C: Enclosed type