

POWER SUPPLIES

Power Supplies for Your General Digital™ LCD Monitor

General Digital™ power supplies are the perfect complement for our LCD monitors. They are a low profile power source that easily integrate into space-constrained environments. The rack mount power supplies are installed behind the LCD monitor by attaching directly to the rear of a standard 19" rack (RETMA) or rack adaptor (SlimLine Lite II™ only). The standalone power supplies offer the benefit of easy positioning so as to be conveniently located. The standard configuration includes a 4-foot DC cable terminated with General Digital's™ standard power connectors.

Please feel welcome to consult with a General Digital™ Sales Engineer for additional information, or visit our web site: www.GeneralDigital.com.

QUICK LOOK

ENCLOSURE

- PS-1U-1275-PFC / PS-1U-12100-PFC / PS-1U-12150: Low Profile 1U (1.75"), Aluminum, Rack Mount, Power Factor Corrected
- PS-AK-1265 / PS-AK-12100-PFC: Low Profile, ABS Plastic/Aluminum (for SlimLine Lite™ II)
- PS-SA-1265 / PS-SA-12100-PFC: Low Profile, ABS Plastic, Standalone

POWER

- +12 VDC Output Operation
- Universal Input (110/220 VAC)
- 66, 75, 100 and 150 Watt Output

OTHER

- Filtered AC Socket with On/Off Power Switch (PS-1U Series)
- Recommended for Use with Most of Our LCD Monitor Products

Designed and Manufactured in the U.S.A.

INPUT

	Voltage	Current	Frequency	Efficiency	Power Factor	Inrush Current
PS-1U-1275-PFC ¹	85–264 VAC	1.2 Amp. Typ. (AC IN 100V) / 0.6 Amp. Typ. (AC IN 200V)	47–63 Hz	77% Typ.	0.95 Typ. (AC IN 100V, LO=100%) ²	15 Amp. Typ.
PS-1U-12100-PFC	85–264 VAC	1.3 Amp. Typ. (AC IN 100V) / 0.7 Amp. Typ. (AC IN 200V)	47–63 Hz	81% Typ.	0.99/0.93 (100V/200V)	20/40 Amp. (100V/200V)
PS-1U-12150-PFC	85–264 VAC	2 Amp. Typ. (AC IN 100V) / 1 Amp. Typ. (AC IN 200V)	47–63 Hz	79% Typ.	0.99/0.95 (100V/200V)	14/28 Amp. (100V/200V)
PS-AK-1265 ¹	90-264 VAC	1.5 Amp. Max.	50–60 Hz	85% Typ.	—	50 Amp. Max. @ 115 VAC
PS-SA-1265 ¹	90-264 VAC	1.5 Amp. Max.	50–60 Hz	85% Typ.	—	50 Amp. Max. @ 115 VAC
PS-AK-12100-PFC ¹	90-264 VAC	1.5 Amp. Max.	47–63 Hz	85% Typ.	0.95	100 Amp. Max. @ 264 VAC
PS-SA-12100-PFC ¹	90-264 VAC	1.5 Amp. Max.	47–63 Hz	85% Typ.	0.95	100 Amp. Max. @ 264 VAC
90-1105-026 ³	36–76 VDC	3.8 Amp. Typ.	—	92% Typ.	—	—

¹ Agency Approvals: UL 1950, EN60950, VDE0160, CSA 22.2 No. 234 Complies with DENTORI and IEC60950

² Works Over 105% of Rating and Recovers Automatically

³ Agency Approvals: UL60950-1, C-UL (CSA60950), EN60950

OUTPUT

	Voltage	Current	Hold-up Time
PS-1U-1275-PFC	+12 VDC	6.3 Amps.	10 ms Typ. (AC IN 85 V, LO=100%) 20 ms Typ. (AC IN 100 V, LO=100%) 100 ms Typ. (AC IN 200 V, LO=100%)
PS-1U-12100-PFC	+12 VDC	8.5 Amps.	20 ms
PS-1U-12150-PFC	+12 VDC	12.5 Amps.	20 ms
PS-AK-1265	+12 VDC	5.5 Amps.	8 ms @ 115 VAC
PS-SA-1265	+12 VDC	5.5 Amps.	8 ms @ 115 VAC
PS-AK-12100-PFC	+12 VDC	8.33 Amps.	20 ms (typ.) @ 115 VAC
PS-SA-12100-PFC	+12 VDC	8.33 Amps.	20 ms (typ.) @ 115 VAC
90-1105-026	+12 VDC	14 Amps.	—



PS-SA-12100-PFC

CONNECTORS

	Voltage Input	DC Power
PS-1U-1275-PFC	AC Socket (IEC-320-C14)	6-pin Circular Locking to: 6-pin Circular Locking or 3W3
PS-1U-12100-PFC	AC Socket (IEC-320-C14)	6-pin Circular Locking to: 6-pin Circular Locking or 3W3
PS-1U-12150-PFC	AC Socket (IEC-320-C14)	2W2
PS-AK-1265	AC Socket (IEC-320-C14)	3W3
PS-SA-1265	AC Socket (IEC-320-C14)	6-pin Circular Locking or 3W3 or 3-pin Kycon
PS-AK-12100-PFC	AC Socket (IEC-320-C14)	3W3
PS-SA-12100-PFC	AC Socket (IEC-320-C14)	6-pin Circular Locking or 3W3 or 3-pin Kycon
90-1105-026	DC, 3W3	6-pin Circular Locking, DE-9 Socket



PS-1U-1275-PFC

MECHANICAL

	Dimensions (H x W x D)	Construction	Finish	Weight, Operating
PS-1U-1275-PFC	1.75" x 19.00" (w/brackets) x 3.875"	0.63 Aluminum	Clear Iridite	3 Pounds
PS-1U-12100-PFC	1.75" x 19.00" (w/brackets) x 3.875"	0.63 Aluminum	Clear Iridite	3.3 Pounds
PS-1U-12150-PFC	1.75" x 19.00" (w/brackets) x 3.875"	0.63 Aluminum	Clear Iridite	3.5 Pounds
PS-AK-1265	2.75" x 15.00" x 3.00"	ABS Plastic/Aluminum	Black Matte	2 Pounds
PS-SA-1265	1.18" x 5.20" x 2.29"	ABS Plastic	Black Matte	1 Pound
PS-AK-12100-PFC	2.95" x 15.00" x 3.00"	ABS Plastic/Aluminum	Black Matte	3 Pounds
PS-SA-12100-PFC	1.38" x 5.91" x 2.76"	ABS Plastic	Black Matte	2 Pounds
90-1105-026	1.75" x 19.00" (w/brackets) x 3.875"	0.63 Aluminum	Clear Iridite	3 Pounds

MTBF

	Typical Duration
PS-1U-1275-PFC	100,000 Hours
PS-1U-12100-PFC	100,000 Hours
PS-1U-12150-PFC	100,000 Hours
PS-AK-1265	100,000 Hours
PS-SA-1265	100,000 Hours
PS-AK-12100-PFC	100,000 Hours
PS-SA-12100-PFC	100,000 Hours
90-1105-026	100,000 Hours

ENVIRONMENTAL

	Temperature, Operating	Temperature, Storage	Humidity, Operating	Humidity, Storage	Altitude, Operating	Altitude, Storage	Shock	Vibration
PS-1U-1275-PFC	-10° to 65° C	-20° to 75° C	20 to 95% RH Non-Condensing	5 to 95% RH Non-Condensing	10,000 Feet	30,000 Feet	196.1 m/s ² (20G), 11 ms, Once Each X, Y and Z Axis	10–55 Hz, 19.6 m/s ² (2G), 3 Minute Period, 60 Minutes Each Along X, Y and Z Axis
PS-1U-12100-PFC	-10° to 70° C	-20° to 75° C	20 to 90% RH Non-Condensing	20 to 90% RH Non-Condensing	10,000 Feet	30,000 Feet	196.1 m/s ² (20G), 11 ms, Once Each X, Y and Z Axis	10–55 Hz, 19.6 m/s ² (2G), 3 Minute Period, 60 Minutes Each Along X, Y and Z Axis
PS-1U-12150-PFC	-10° to 60° C	-30° to 85° C	30 to 90% RH Non-Condensing	10 to 95% RH Non-Condensing	10,000 Feet	30,000 Feet	196.1 m/s ² (20G), 11 ms, Once Each X, Y and Z Axis	10–55 Hz, 19.6 m/s ² (2G), 3 Minute Period, 60 Minutes Each Along X, Y and Z Axis
PS-AK-1265	0° to 50° C	-20° to 85° C	20 to 95% RH Non-Condensing	5 to 95% RH Non-Condensing	10,000 Feet	40,000 Feet	No Data	No Data
PS-SA-1265	0° to 50° C	-20° to 85° C	20 to 95% RH Non-Condensing	5 to 95% RH Non-Condensing	10,000 Feet	40,000 Feet	No Data	No Data
PS-AK-12100-PFC	0° to 40° C	-20° to 85° C	20 to 95% RH Non-Condensing	5 to 95% RH Non-Condensing	10,000 Feet	40,000 Feet	No Data	No Data
PS-SA-12100-PFC	0° to 40° C	-20° to 85° C	20 to 95% RH Non-Condensing	5 to 95% RH Non-Condensing	10,000 Feet	40,000 Feet	No Data	No Data
90-1105-026	-40° to 85° C	-40° to 100° C	20 to 95% RH Non-Condensing	20 to 95% RH Non-Condensing	10,000 Feet	30,000 Feet	196.1 m/s ² (20G), 11 ms, Once Each X, Y and Z Axis	10–55 Hz, 19.6 m/s ² (5G), 3 Minute Period, 60 Minutes Each Along X, Y and Z Axis

ORDERING

Model Number	Description
PS-1U-1275-PFC	1U High, 75 Watt, Power Factor Corrected, Rack Mount Power Supply
PS-1U-12100-PFC	1U High, 100 Watt, Power Factor Corrected, Rack Mount Power Supply
PS-1U-12150-PFC	1U High, 150 Watt, Power Factor Corrected, Rack Mount Power Supply
PS-AK-1265	66 Watt Power Supply for SlimLine Lite II™
PS-SA-1265	66 Watt Standalone Power Supply
PS-AK-12100-PFC	100 Watt Power Supply for SlimLine Lite II™
PS-SA-12100-PFC	100 Watt Standalone Power Supply
90-1105-026	144 Watt, Rack Mount DC-DC Converter



PS-1U-12150-PFC