



**Extreme Temperature Range**  
**(-30°C to +70°C)**

**Ideal for Gas Pump Applications**

**Two-Year Factory Warranty**

The PSA Series of printers from FutureLogic are designed specifically for harsh outdoor kiosk applications such as gas pumps, vending machines, parking and transit pay stations where printers are required to operate at temperature ranges of -30°C to +70°C – Most competing products are limited to a range of approximately 0°C to 50°C.

FutureLogic's PSA Series printers offer a cut/drop presentation chute, measure 5.0" wide x 5.0" deep x 14.5" high and are available in three models capable of handling 60mm (PSA-60), 80mm (PSA-80) and 112mm (PSA-112) paper widths. The printers deliver high resolution (8 dots/mm) hard copies quickly (up to 60mm/s), and feature low power consumption (24VDC), bar code capability and a drop rating of 3 feet to concrete. The series also offers a variety of user-friendly features such as a swivel out paper spindle arm for installation flexibility and standard auto cutters.

For a comprehensive list of features and technical specifications, please contact FutureLogic engineers at [info@futurelogic-inc.com](mailto:info@futurelogic-inc.com).

# TECHNICAL SPECIFICATIONS

# PSA-60

## GENERAL

Dimensions (WxDxH)	127mm x 127mm x 368.3mm
Weight	7.5 lbs.
Power Requirements	24Vdc @ 2A Average (3.5A Peak ±10%)
Presentation Method	Cut and Drop
Resolution	8 dots/mm (203 dpi); 448 Dots Per Line
Printing Speed	55 mm/sec (at peak power)
Printing Area	56mm
Print Features	Simultaneous 4-Orientation Printing (0°, 90°, 180°, 270°) Line and Box Draw Function Barcodes Downloadable PCX Graphics Multiple Copy Printing
Paper	60mm Wide; 65µm to 125µm Thickness
Paper Roll	4" Diameter Max; 1.5" I.D.
Paper Cutter	Electric, Partial or Full Cut; 500ms per Cut
Paper Loading	Automatic or Manual
Operator Controls	Paper Advance, Cutter Activate, Status Indicator, Error Indicator
Sensors	Paper Out, Paper Low, Plate Released
Mounting Orientation	horizontal or vertical (left or right paper access)
Drop Rating	3 Feet to Concrete

## CHARACTERISTICS

Printer Languages	TCL Printer Language (Page Description Language); Epson-Compatible ESCP2 Subset
FBarcodes	15 Standard Barcodes
Graphics	Downloaded PCX Graphics; Real Time Bitmap Graphics
Fonts	fonts may be printed proportionally or fixed pitch 8.5pt (20.5 cpi) Bold San Serif 9.2pt (10.1 cpi) Bold San Serif 10.6pt (7.3 cpi) Bold San Serif 13.8 pt (5.5 cpi) Bold San Serif
TCL Page Printing Mode	User Defined Graphics Storage; Up to 6 Symbols (< 24K Combined) Print Regions Limit; 50 Print Regions Template Limit; 15 Templates Stored Print Region Character Limit; 600 Total Characters Max. Total Characters Allowed per Ticket; 900 Characters Max. Maximum Ticket Length; 10"

## INTERFACE

Communications	PC-Compatible Serial (or Custom Parallel)
Application	Stored Soft in Flash Memory. Unit May be Entirely Upgraded in System Through the Communication Interface

## ENVIRONMENTAL

Operating temperature	-30°C to +70°C
Storage temperature	-30°C to +70°C
Operating humidity	8 to 85% RH

## RELIABILITY

Print Head Life	50km of Receipt Length
Electrical Life	50 million pulse or more
Paper Cutter Life	300,000 Cuts
Certifications	ISO 9001, CE Certified



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