

PS SERIES

PS Series Switching Power Supplies



PS Series

Capable of supplying up to 100 Watts
(AV01 DIN Rail not included)

Up to 100 W

High efficiency switching power supply capable of supplying up to 100 W

DIN rail mounting

Easy installation

Loop power

Ideal for supplying loop power to Veris power transducers and current sensors

Small size

Saves panel space

Universal voltage input

Universal voltage input from 100 to 240 Vac/110 to 340 Vdc (except 100 W versions)

High efficiency

Won't generate excessive heat in control panel

SPECIFICATIONS

Input Voltage (except PSxx-100W)	100 to 240 Vac (85 to 264 Vac), 50/60Hz (47 to 63 Hz); 110 to 340 Vdc (105 to 370 Vdc)
Input Voltage (PSxx-100W)	100 to 120/200 to 240 Vac, Jumper Selectable 50/60 Hz (47 to 63 Hz); 240 to 370 Vdc
Input Current (Typical @100 Vac)	
7.5 W	0.17 A
15 W	0.30 A
30 W	0.68 A
50 W	1.15 A
100 W	2.5 A
Internal Fuse Ratings	
7.5/15 W	2 A
30/50 W	3.15 A
100 W	4 A
Inrush Current	50 A max. (cold start at 200 V)
Regulation	Line: 0.4%; Load 1.5%; (+ Ambient Temp. effect 0.05%)
Ripple	2% p-p
Leakage Current (No Load)	0.75 mA max. (60 Hz. measured in conformance with VDE, UL, CSA)
Output Current (12 V Models)	
7.5 W	0.6 A
15 W	1.2 A
30 W	2.5 A
Output Current (24 V Models)	
7.5 W	0.3 A
15 W	0.6 A
30 W	1.3 A
100 W	4.2 A

DIMENSIONAL DRAWING

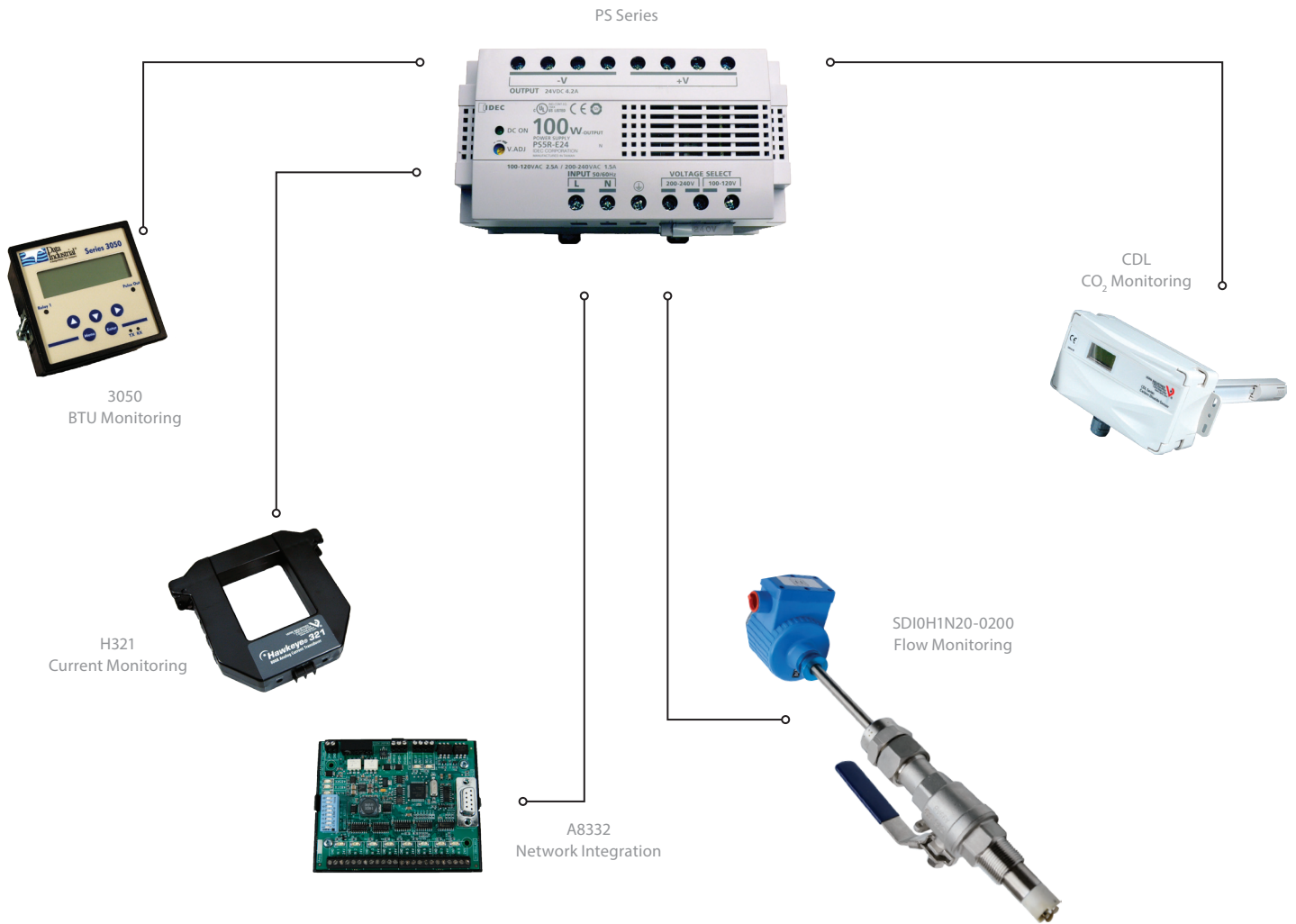
	H	W	D	WEIGHT (APPROX.)
7.5 W	3.0" (77 mm)	1.8" (46 mm)	2.8" (70 mm)	150 g
15 W	3.0" (77 mm)	1.8" (46 mm)	3.8" (97 mm)	170 g
30 W	3.0" (77 mm)	3.6" (92 mm)	3.8" (97 mm)	360 g
50 W	3.0" (77 mm)	3.6" (92 mm)	3.8" (97 mm)	390 g
100 W	3.0" (77 mm)	5.7" (145 mm)	3.8" (97 mm)	600 g

Operating Temperature (Mounted DIN Rail on Wall, Grilles Vertical)	-10 to 60 °C (14 to 140 °F) derate to 80% below 0 °C, derate to 50% above 50 °C
Operating Humidity	20 to 90% RH non-condensing
Storage Temperature	-30 to 85 °C (-22 to 185 °F)
Terminals	Spring-up, finger-safe (when tightened); captive M3.5 screws Phillips/flat heads

AGENCY APPROVALS



SUPPLYING POWER FOR ALL YOUR DC NEEDS



Approximate number of products that can be powered by a PS24:

	CDL (100 MA)	PX 2-WIRE (20 MA)	PX 3-WIRE (30 MA)	PW (125 MA)	HW (15 MA)	HW (30 MA)	SDI (20 MA)	A8332 (200 MA)	H321 (30 MA)	3050 (280 MA)
7.5 W	3	15	10	2	20	10	15	1	10	1
15 W	6	31	20	5	41	20	30	3	20	2
30 W	12	62	41	10	83	41	60	6	41	4
50 W	20	104	69	16	138	69	101	10	69	7
100 W	41	208	138	33	277	138	203	20	138	14

ORDERING INFORMATION

Output Watts

PS - W

12 = 12 Vdc
24 = 24 Vdc

7.5 = 7.5 Watts
15 = 15 Watts
30 = 30 Watts
50* = 50 Watts
100* = 100 Watts
120* = 120 Watts
240* = 240 Watts

Example:
PS 12 - 7.5 W

*Available in 24 V only.