



Spangle/Belle 1AC/24VDC/5A



Features

- 1-phase switch mode power supplies
- Wide temperature range -40 °C to 70 °C
- Slim design with metal chassis
- Output status signaling
- Boost version and Standard version
- High efficiency up to 93%

Technical Data

DIN RAIL Power Supply

Model	WAT-0006-01 / WAT-0306-01	WAT-0008-01 / WAT-0308-01
Type	Spangle 1AC/24VDC/5A	Belle 1AC/24VDC/5A
Input voltage	Rated: 100Vac-240Vac Range: 85Vac-277Vac	Rated: 100Vac-240Vac Range: 85Vac-277Vac
Input frequency	47-63Hz	47-63Hz
Input current	0.7A @ 240Vac, 1.3A @ 100Vac	0.7A @ 240Vac, 1.3A @ 100Vac
Recommend fuse	6.3A Character C circuit breaker	8A Character C circuit breaker
Output voltage	24-28Vdc (adjustable), >24V Constant Power	20-28.5Vdc (adjustable), >24V Constant Power
Output current	5A	5A
Output power	120W	120W
Boost output current	120%Io @25deg C, 150% Io, 3s minimum	N/A
Ripple	<100mVpp	<100mVpp
Efficiency	>93%	>93%
Line regulation	± 0.5%	± 0.5%
Load regulation	± 1.0%	± 1.0%
Hold up time	>25ms @ 240Vac	>25ms @ 240Vac
Over current protection	Yes	Yes
Output voltage protection	Yes	Yes
Signaling	DC OK signal	DC OK signal
Operating temperature range	-40°C to +70°C (>60°C Derating 2.5%/k)	-40°C to +70°C (>60°C Derating 2.5%/k)

Power factor	0.95 typ	0.95 typ
Dimensions (D x W x H)	130 x 30 x 130 mm (5.12 x 1.18 x 5.12 inch)	130 x 30 x 130 mm (5.12 x 1.18 x 5.12 inch)
Approvals	CE,CB,UL61010,EN62477	CE,CB,UL61010,EN62477
MTBF(40degC)	>700,000 hrs	>700,000 hrs
Weight	0.5 kg (1.1 lb)	0.5 kg (1.1 lb)
PCB Conformal coating	For WAT-0306-01	For WAT-0308-01



Dimensional drawings

WAT-0006-01 / WAT-0306-01 / WAT-0008-01 / WAT-0308-01

