

PREMIUM 1AC/24DC/40A

Features

- 1-phase switch mode power supplies
- Wide temperature range $-25\text{ }^{\circ}\text{C}$ to $70\text{ }^{\circ}\text{C}$

- Output status signaling
- Slim design with metal chassis

Technical Data
DIN RAIL Power Supply

Model	WAT-0001-13
Type	PREMIUM 1AC/24DC/40A
Input voltage	Rated:110Vac-240Vac Range:99Vac-264Vac
Input frequency	45-65Hz
Input current	5A @ 230Vac, 9.2A @ 120Vac
Power factor	>0.9 (100Vac)
Inrush current	< 25A
Standby power	<10W
Recommend fuse	16...20A Charater C circuit breaker
Efficiency (typ)	>90%
Output voltage	20-28.5Vdc (adjustable) >24V Constant Power
Output current	40A
Output power	960W
Boost output current	45A up to 40deg C permanently (Vin > 100Vac)
Base Ripple	<50mVp-p(lout=40A)
Line regulation	+/- 1%
Load regulation	+/-1%(static), +/-2%(dynamic)
Hold up time	>25ms @ 240Vac
Over current, Over voltage, Over temperature, Short circuit protection	Yes
Signaling	DC OK signal, LED, Power boost
Insulation (P to S)	3 KV AC
Operating temperature range	$-25\text{ }^{\circ}\text{C}$ to $70\text{ }^{\circ}\text{C}$ (>50 $^{\circ}\text{C}$ Derating 2.5%/K)
Operation humidity range	< 95%
Operation altitude	5000M, >2000M with derating
Dimensions (D x W x H)	125 X 180 X 130mm
Approvals	CE, CB, Ex, UL508, EN62368
MTBF(40degC)	>500,000hrs
Weight	3.3kg