



**PREMIUM 3AC/24DC/24A
PREMIUM + 3AC/24DC/20A**



Features

- 3-phase switch mode power supplies
- Wide temperature range -25 °C to 70 °C
- Output status signaling
- Slim design with metal chassis

Technical Data

DIN RAIL Power Supply

Model	WAT-0302-12	WAT-0302-23
Type	PREMIUM 3AC/24DC/20A	PREMIUM + 3AC/24DC/20A
Input voltage	Rated : 3*400Vac-500Vac Range : 3*320Vac-575Vac (<360Vac Derating 0.5%/V)	Rated : 3*400Vac-500Vac Range : 3*320Vac-575Vac (<360Vac Derating 0.5%/V)
Input frequency	45-65Hz	45-65Hz
Input current	1.5A @ 3X400Vac	1.5A @ 3X400Vac
Standby power	<10W	<10W
Power factor	>0.6(400VAC)	>0.6(400VAC)
Inrush current	< 20A	< 20A
Recommend fuse	3A Character C circuit breaker	3A Character C circuit breaker
Efficiency (typ)	>90%	>90%
Output voltage	20-28.5Vdc (adjustable)	20-28.5Vdc (adjustable)
Output current	20A	20A
Output power	480W	480W
Boost output current	24A up to 40deg C permanently	N/A
Base Ripple	<50mVp-p(lout=20A)	<50mVp-p(lout=20A)
Line regulation	+/-1%	+/-1%
Load regulation	+/-1%(static), +/-2%(dynamic)	+/-1%(static), +/-2%(dynamic)
Hold up time	>20 ms @400Vac	>20 ms @400Vac
Over current, Over voltage, Over temperature, Short circuit protection	Yes	Yes
Signaling	DC OK signal, LED, Power boost	DC OK signal, LED
Insulation (P to S)	4 KV AC	4 KV AC
Operating temperature range	-25°C to 70°C (>50°C Derating3% K)	-25°C to 70°C (>50°C Derating3% K)
Operation humidity range	< 95%	< 95%
Operation altitude	5000M, >2000M with derating	5000M, >2000M with derating
Dimensions (D × W × H)	135 X 70 X 130mm	135 X 70 X 130mm
Approvals	CE,CB,UL508, EN62368	CE,CB,Ex, UL508, EN62368
MTBF(40degC)	>500,000hrs	>500,000hrs
Weight	2.6kg	2.5kg