



PREMIUM 3AC/24DC/5A, 10A, 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

Model	WAT-0302-01	WAT-0302-02
Type	PREMIUM 3AC/24DC/5A	PREMIUM 3AC/24DC/10A
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	0.5A @ 3X400Vac	0.8A @ 3X400Vac
Standby power	<10W	<10W
Power factor	>0.5(400VAC)	>0.6(400VAC)
Inrush current	<20A	<20A
Recommend fuse	1A Character C circuit breaker	2A Character C circuit breaker
Efficiency (typ)	>90%	>90%
Output voltage	20-28.5Vdc (adjustable)	20-28.5Vdc (adjustable)
Output current	5A	10A
Output power	120W	240W
Boost output current	7.5A up to 40deg C permanently	15A up to 40deg C permanently
Base Ripple	<50mVp-p(lout=5A)	<50mVp-p(lout=10A)
Line regulation	+/-1%	+/-1%
Load regulation	+/-1%(static), +/-2%(dynamic)	+/-1%(static), +/-2%(dynamic)
Hold up time	>20ms @400Vac	>20ms @400Vac
Over current, Over voltage, Over temperature, Short circuit protection	Yes	Yes
Signaling	DC OK signal, LED, Power boost	DC OK signal, LED, Power boost
Insulation (P to S)	4 KV AC	4 KV AC
Operating temperature range	-25 °C to 70 °C (>60°C Derating 2.5%/K)	-25 °C to 70 °C (>60°C Derating 2.5%/K)
Operation humidity range	< 95%	< 95%
Operation altitude	5000M, >2000M with derating	5000M, >2000M with derating
Dimensions (D × W × H)	125 X 40 X 130mm	130 X 60 X 130mm
Approvals	cUL, cURus, CE,CB, UL508, EN62368	cUL, cURus, CE,CB, UL508, EN62368
MTBF(40degC)	>500,000hrs	>500,000hrs
Weight	1.1kg	1.6kg