



SUPREME 1AC/24DC 20A



Supreme DIN Rail Power Supply

Features

- 1-phase switching mode power supply.
- Wide operation temperature -40 °C to 70 °C
- Output status signaling
- Efficiency > 95%, for load > 50% output power

- Surge Level 4 protected
- 3-digit 7 segments LED
- Max. Efficiency > 97% @ ~ 85% output power

Technical Data

Model	WAT-0003-11
Type	1AC/24DC/20A
Input voltage	Rated: 100Vac-240Vac Range: 90Vac-264Vac
Input frequency	50/60 Hz
Input current	TBD
Standby power	<1W
Power factor	>0.99 (100Vac)
Inrush current	<25A
Recommend fuse	TBD
Efficiency (typ)	>95% (97% max)
Low Voltage Ride Through *	TBD
Output voltage	20-28Vdc (adjustable) >24V Constant Power
Output current	20A
Output power	480W
Boost output current	25A up to 60 degC permanently
Base Ripple	<50 mVp-p (Iout = 20A)
Line regulation	+/-1%
Load regulation	+/- 1% (static), +/-2% (dynamic)
Hold up time	>20ms @ 240Vac
Over current, Over voltage, Over temperature, Short circuit protection	Yes
Signaling	DC OK signal, LED, Power boost
Surge Level 4	Yes
Insulation (P to S)	4 KV DC
Operating temperature range	-40 °C to 70 °C
Operation humidity range	< 95%
Operation altitude	5000M, >2000M with derating
Dimensions (D × W × H)	143 X 62 X 129mm**
Approvals	TBD
MTBF(40degC)	>500,000hrs
Weight	TBD

*Low Voltage Ride Through - It is a special requirement in windmill industry that the power supply need work for a short period of time under input voltage drop down to 46Vac. The time period at least 625ms and then return to normal.** Depends on final design



Dimensional drawings

WAT-0003-11

