

## TECHNICAL SPECIFICATIONS

Model	DAC300-G2	
Input	230Vac $\pm$ 15%, 50Hz single phase	
DC Output Voltage	24Vdc nominal	
DC Charging Voltage	Linear constant voltage with float charging @ 27.6Vdc (adjustable)	
DC Charging Current	30A max	
Line Regulation	0.01 % per V	
DC Ripple Rejection	40mV peak-to-peak (Telecommunications filtering)	
AC Output Voltage	1-phase 230 Vac, 50Hz sinewave operation with zero transfer time	
AC Output Power	500 watts peak loading 300 watts continuous loading	
Efficiency	> 90%	
Metering	DC Output Volt Meter AC Output Volt Meter	
Temperature Controller	Microprocessor based controller with one temperature sensor (presetable 0°C ~ 120°C)	
Visual Indication	Mains / Charging	Green LED - blinks to indicate battery charging - stays on to indicate battery fully charged
	AC Output	Green LED - comes on to indicate AC output OK
	DC Output	Green LED - comes on to indicate DC output OK
	Charger Fault	Red LED - comes on to indicate charger fault
	Battery Low	Red LED - comes on when battery voltage goes below 21 Vdc
	Over Temperature	Red LED - comes on should room temperature rises further to a pre-set value, A1 Action Alarm (e.g. 33°C) due to failure of ventilation cooling process
	Fan Fail	Red LED - comes on should the room ventilation fan fails to operate when room temperature rises to a pre-set value for the cooling process to start, SV1(e.g. 31°C)
	Remote Indication (+6Vdc, 0.5A signal)	AC Mains Fail Charger Fail Battery Low Over Temperature Fan Fail Permanant Leakage of Auto-Restart System
MCBs	AC Input MCB DC Output MCB DC Battery MCB	
Protection	Built-in Automatic Voltage Regulator (AVR) with MOV surge protection Full-time EMI/RFI noise suppression Output Over-Current and Electronic Fuse Short-Circuit Protection Automatic switch over to Inverter Mode when AC Mains over/under voltage DC High (Overcharging) Protection DC Low and Battery Auto Cut-Off	
Cooling	Ventilation Fan	
Size (mm <sup>3</sup> )	H5U x W19" x D400mm	
Casing	19 Rack-Mount	
Ambient Temp.	0°C ~ 50°C	
Battery Capacity	Recommended 24V/200AH	
Backup Time	48 Hours based on 85 watts load (100 % load of AC+DC) with recommended battery capacity	

# MicroMate<sup>®</sup>

**Industrial Hybrid AC + DC UPS with  
30A Rectifier and Micro-controller  
for Ventilation Fans**

*plus Electronic Fuse for Inverter Output Short-Circuit Protection*

\* Due to the policy of continued product improvement, specifications are subject to change without notice.



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