

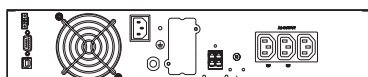
ODIN - ODIN HARSH

ODIN - ODIN HARSH TECHNICAL DATA SHEET

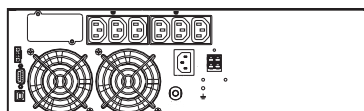
MODEL		ODIN 1000RT	ODIN 2000RT	ODIN 3000RT	
POWER	VA	1000	2000	3000	
	W	900	1800	2700	
INPUT	Rated voltage	Standard	110/150/180-300 VAC (@-10°C~40°C Based on load percentage 0 ~ 60% / 0 ~ 75% / 0 ~ 100%)		
		Harsh	"110/150/180-300 VAC (@-10°C~40°C Based on load percentage 0 ~ 60% / 0 ~ 75% / 0 ~ 100%) (@40°C~55°C 180-300 VAC Based on load percentage 0-60%)"		
	Frequency	44 – 66 Hz			
	Power factor	>0.99			
OUTPUT	Rated voltage	Standard	200/208/220/230/240 Vac		
		Harsh	230 V, adjustable to 200/208/220/230/240(@-10°C~40°C) 230 V, adjustable to 220/230/240(@40°C~55°C)		
	Voltage distortion	<3% with linear load, <6% with distorting load			
	Voltage stability	±1%			
	Frequency	50/60 Hz (selectable)			
	Frequency stability	±1 Hz or ±3 Hz (selectable)			
	Power factor	Standard	0.9		
		Harsh	-10 /+ 40 °C PF = 0.9 , +40/+55 °C PF = 0.6		
	Crest factor	3:1			
	Waveform	Pure sine wave			
	Output sockets	3 x IEC C13	6 x IEC C13	6 x IEC C13 1 x IEC C19	
	EFFICIENCY	VFI mode	up to 92%		
		ECO mode	up to 97%		
GENERAL	Dimensions (WxDxH) mm	440x405x88 (2U)	440x432x132 (3U)	440x432x176 (4U)	
	Weight (kg) ***	11.7	23	25	
	Alarms	Audible and visual alarm alerts for: power failure, low battery, bypass transfer, and UPS fault.			
	Protection	Overload, overheating, short circuit, deep discharge, battery overcharging.			
	Operating mode	Multi-mode: VFI, ECO, Constant voltage constant frequency (CVCF) output.			
	Cold start from the battery without mains power	Included			
BATTERY	Battery type	Sealed maintenance free lead acid 12Vdc			
	Number per string	3	6		
	Uptime with internal battery in minutes	50% Load	14	15	12
		100% Load	5	5	4
	Charging time (90%)	4 – 6 hours			
Battery expansion module dimensions (WxDxH) mm	440x430x88(2U)	440x430x176 (4U)			
ENVIRONMENTAL PARAMETERS	Operating temperature	0 – 40°C			
	Relative humidity	0% – 90% (non-condensing)			
	Altitude (a.s.l.)	<1000 m with no power derating, >1000 m with 1% derating for every 100 m.			
	Audible noise at 1 m.	≤50dB			
CONNECTIVITY	Built-in communication ports	USB, RS232, EPO and additional slots for optional cards			
	User interface	LED, LCD and function keys (parameters: voltage, frequency, percentage load, battery voltage, output voltage, estimated uptime, UPS temperature).			
	Optional accessories	Cards: SNMP, RS485 ModBus and dry relay contacts			
	Compatible software platforms	Microsoft Windows, Linux, Mac OS, VMware			
REGULATIONS	Standards	IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3			
	Marking	CE			

* Battery weight and configuration depends on the required uptime **To be verified according to the battery parameters

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