

OD PLUS - OD H

OD PLUS - OD H TECHNICAL DATA SHEET

MODEL			OD1000 Plus		OD2000 Plus		OD3000 Plus	
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 lockable**	
EFFICIENCY	VFI mode		up to 92%					
	ECO mode		up to 97%					
GENERAL	Dimensions (WxDxH) mm		440x405x88 (2U)		440xx432x132 (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					
ENVIRONMENTAL PARAMETERS	Battery expansion module dimensions (WxDxH) mm		440x430x88(2U)		440x430x176 (4U)			
	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.					
CONNECTIVITY	Audible noise at 1 m.		≤50dB					
	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					
REGULATIONS	Compatible software platforms		Microsoft Windows, Linux, Mac OS, VMware					
	Standards		IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3					
	Marking		CE					

* Battery weight and configuration depends on the required uptime

** OD3000 Plus has 1 x IEC C19 lockable, while OD3000 HARSH does not have

*** To be verified according to the battery parameters

