

On-Line UPS

Onyx Series



1-3kVA



Features:

- Online Double Conversion technology
- Australian Output Power Sockets (for Onyx)
- Programmable Power Outlets (for Platinum RT)
- Unity Power Factor provides more power in the same kVA rating
- Great energy saving efficiency
- Improved battery algorithm to extend battery life
- Greater reliability with built-in over voltage cut off device; fan lock; over temperature; overload warning detections.
- Low audible noise allows installation in most locations
- Innovative connectivity options allow safe network connection to Cloud
- WLAN module for IoT connection
- Android/iOS Mobile APP for monitoring and configuration.
- USB HID enables monitoring of UPS without software installation
- Upgraded network card compliance with IEC standard cybersecurity
- External battery banks available to extend UPS run time

On-Line UPS

SPECIFICATIONS:

Model		Onyx 1	Onyx 2	Onyx 3
Power rating	VA/Watt	1000VA/1000W	2000VA/2000W	3000VA/3000W
Efficiency	Double conversion mode	89%	93%	
	ECO mode	96%	97%	
Input performance	Rated voltage	200/208/220/230/240 VAC(derating 10% at 208V, derating 20% at 200V)	200/208/220/230/240 VAC(derating 10% at 208V, derating 20% at 200V)	200/208/220/230/240 VAC(derating 10% at 208V, derating 20% at 200V)
	Voltage range	160-300V 100% load, 110-160V derating to 50% load linearly		
	Rated frequency	50Hz/60Hz		
	Frequency range	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60%)		
	PF	>0.99		
	THDI	<5%		
Input connection	Socket	IEC C14	IEC C14	IEC C20
Output performance	Rated voltage	200/208/220/230/240 VAC(derating 10% at 208V, derating 20% at 200V)		
	Rated frequency	50Hz/60Hz		
	Maximum PF	1		
	Voltage accuracy	±1%		
	THDv	<1% linear load; <5% non linear load		
	Performance classification	VFI-SS-313		
	Transfer time	0ms(4ms @ line <-> bypass;10ms @ ECO <->Inverter)		
	Crest Ratio	max 3:1		
	Overload	100%<load≤105% continuous.		
Output connection	Wiring/socket	2 x AUS	4 x AUS + 1 x IEC C19	
	Load segment control	No		
Battery	Voltage	36VDC	72V	
	Capacity(AH)	3 x 12V/7Ah	6 x 12V/7Ah	6 x 12V/9Ah
	Backup time			
Battery Hot Swappable		Yes		
Charger	Charging method	Optimize Battery Management (OBM)		
	Charging current	1.5A	1.5A	1.5A
	Recharging time	3h to 90%	3h to 90%	3h to 90%
Other mode	CVCF	Yes (derating to 60% load)		
	Parallel	no	no	no
	Display	Dot matrix LCD, (optional segment LCD)		
HMI	Language	Multi Language		
	USB	USB 2.0 with HID		
	RS232	Yes (DB9)		
	Dry in/out	1 programmable dry in; 1 programmable dry out		
	EPO	Yes		
	Intelligent slot	Yes		
	Network card	Optional		
	Modbus card	Optional		
	Dry contactor card	Optional		
	WIFI module	Optional		
	Ethernet port for IOT	RJ45		
Physical performance	Software	Winpower; Winpower View APP		
	Dimension(W*D*H) mm	145*400*220	192*424*318	
	IP protection level	IP20		
	Plug solid	No		
	Wheel	No		
Environment	Operating temperature	0-45°C (power derating to 80% @40-45°C)		
	Relative Humidity	0-95%		
	Operating Altitude	0~3000m (the load derating 1 % every up 100m @1000~3000m)		
	Acoustic Noise	<40dB @ typical load with battery fully charged		
Certification		CE,IEC/EN 62040		
EMI	Conduction/Radiation	C2		
EMS	ESD	IEC/EN 61000-4-2		
	RS	IEC/EN 61000-4-3		
	EFT	IEC/EN 61000-4-4		
	Surge	IEC/EN 61000-4-5		