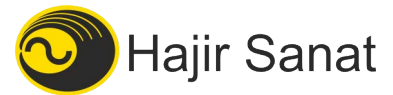


Uranus Series - Online UPS

Power range: 10 - 200 KVA



Model			10KVA	15KVA	20KVA	30KVA	40KVA
Capacity (VA/Watts)			10kVA/9kW	15kVA/13.5kW	20kVA/18kW	30kVA/27kW	40kVA/36kW
INPUT							
Input	Rectifier input	Rated AC Input Voltage	380/400/415Vac, (3Ph+N+PE)				
		Input Voltage Range	305~478Vac (Full load); 208~478Vac (50% Load)				
		Frequency	40-70Hz				
		Power Factor	0.99				
		Harmonic distortion (THDi)	≤3% (100% nonlinear load)				
	Bypass input	Rated AC Voltage	380/400/415Vac, (3Ph+N+PE)				
		Bypass voltage Range	220Vac Max.voltage: +25%(optional +10%,+15%,+20%) 230Vac Max.voltage: +20%(optional +10%,+15%) 240Vac Max.voltage: +15%(optional +10%) Min. voltage: -45% (optional -20%,-30%)				
		Bypass frequency Range	±10%				
		Synchronization - Window	±1%/ ±2%/ ±4%/ ±5%/ ±10% optional (default: ±10%)				
		Max current (A)	Breaker 20A	Breaker 32A	Breaker 40A	Breaker 63A	Breaker 80A
		Upstream protection, bypass line	Thermomagnetic circuit-breaker, rated up to 125% of nominal output current. IEC 60947-2 curve C.				
		Current rating of neutral cable (A)	1.7×In				
		Generator Input	Support				
OUTPUT							
Inverter Output	Power factor		0.9				
	Rated AC Voltage 1		380/400/415Vac, (3Ph+N+PE)				
	Voltage Regulation		±1%				
	Transient Voltage Response		±5% (linear load)				
	Phase Balance		120 ° ±1 ° (100% unbalanced load)				
	Frequency		1.Line Mode: synchronize with input; when input frequency > ±10% (±1%/ ±2%/ ±4%/ ±5% optional), output (50/60±0.1%)Hz. 2.Battery Mode:(50/60±0.1%)Hz				
	Crest factor		3:1				
	Harmonic distortion (THD)		< 2% (linear load), <5% (non linear load)				
	Overload Capacity	AC Mode	Load≤110%: last 60min change to bypass, ≤125%: last 10min, change to bypass, ≤150%: last 1min change to bypass, >150% change to bypass immediately				
		Bat. Mode	Load≤110%: last 10min , ≤125%: last 1min , ≤150%: last 5S , > 150% shut down UPS immediately				
Efficiency	Normal mode		Up to 93.5%	Up to 94.5%			

BATTERY						
Battery	Battery voltage	10-30kVA: $\pm 96/108/120\text{Vdc}$; (16~20 pcs, 16 pcs define, Standard unit and 20 pcs no power derating; 18 pcs output power factor 0.8/0.9; 16 pcs output power factor 0.7/0.8);				
		40kVA: $\pm 180/192/204/216/228/240/252/264/276/288/300\text{Vdc}$ (30/32/34/36/38/40/42/44/46/48/50pcs optional)				
	Float Voltage	2.25V/cell (selectable from 2.20-2.29V/cell) Constant current and constant voltage charge mode				
	Boost Charge Voltage	2.30V/cell (selectable from 2.30-2.40V/cell) Constant current and constant voltage charge mode				
	End of Discharge	1.75 V/cell (selectable from 1.60 or 1.90V/cell)				
	Charge Current(A) (charge current can be set according to battery capacity installed)	Max. current 14A (limited by input current)	Max. current 16A (limited by input current)	Max. current 18A (limited by input current)	Max. current 20A (limited by input current)	Max. current 20A (limited by input current)
SYSTEM FEATURES						
Transfer Time	Synchronous transfer	Utility to Battery : 0ms; Utility to bypass: 0ms				
	Asynchronous transfer	Asynchronous transfer: 15ms (50 Hz), 13.3ms (60 Hz)				
Alarms		overload, utility abnormal, UPS fault, battery low, etc.				
Protection		short circuit, overload, over temperature, battery low, fan fault alarm.				
Communication Interface		USB, RS232,RS485, Parallel port, Dry contact, Intelligent slot, SNMP card (optional), Relay card (optional),Battery temperature sensor(optional)				
ENVIRONMENTAL						
Environment	Operating Temperature	$0^{\circ}\text{C}\sim 40^{\circ}\text{C}$				
	Storage Temperature	$-25^{\circ}\text{C}\sim 55^{\circ}\text{C}$ (no battery)				
	Humidity	0~95% non condensing				
	Acoustical Noise (from 1M distance)	<55dB	<58dB	<61dB	<64dB	
	Altitude	< 1500m.When>1500m,lower the rated power for use				
PHYSICAL						
Dimension W×D×H (mm)		Standard unit: 250×900×868 Long run unit: 250×580×655				
Net weight (Kg)		129/35	186/39	187/40	236/43	239/46
STANDARDS						
Safety certifications		IEC/EN62040-1,IEC/EN60950-1				
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8				

MODEL	50kVA	60kVA	80kVA	100kVA	120kVA	150kVA	160kVA	180kVA	200kVA
Capacity (VA/Watts)	50k 45k	60k 54k	80k 72k	100k 90k	120k 108k	150k 135k	160k 144k	180k 162k	200k 180k
INPUT									
Nominal voltage	380/400/415Vac, (3Ph+N+PE)								
Operating voltage range	138~485Vac								
Operating frequency range	40Hz-70Hz								
Power factor	≥0.99								
Harmonic distortion (THDi)	≤3% (100%non-linear load)								
Bypass voltage range	220Vac Max.voltage: +25%(optional +10%,+15%,+20%) 230Vac Max.voltage: +20%(optional +10%,+15%) 240Vac Max.voltage: +15%(optional +10%) Min. voltage: -45% (optional -20%,-30%) Frequency synchronize tracing range: ±10%								
Generator input	Support								
OUTPUT									
Output voltage	380/400/415Vac (3Ph+N+PE)								
Voltage regulation	±1%								
Power factor	0.9								
Output frequency	1.Line Mode: synchronize with input; when input frequency > ±10% (±1%/±2%/±4%/±5% optional) 2.Battery Mode:50/60*(1 ±0.02%)Hz								
Crest factor	3:1								
Harmonic distortion (THD)	≤2% with linear load ≤4% with non linear load								
Efficiency	95.5%								
BATTERY									
Battery voltage	Optional Voltage: ±180/192/±204/±216/±228/±240/±252/±264/±276/±288/±300Vdc(30/32/34/36/38/40/42/44/46/48/50pcs optional)								
Charge Current(A) (charge current can be set according to battery capacity installed)	Max. current 20A		Max. current 40A			Max. current 60A			
SYSTEM FEATURES									
Transfer time	Utility to Battery : 0ms; Utility to bypass: 0ms								
Overload	Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min								Load≤110%: last 60min,≤125%: last 1min,≤150%: last 1.2s

Alarm	Overload, utility abnormal, UPS fault, battery low, etc.								
Backfeed	Support								
Protection	Short circuit, overload, over temperature, battery low, fan fault alarm.								
Communication	USB,RS232, RS485, Parallel port, REPO port, LBS port, Backfeed port, Intelligent slot, SNMP card (optional), Relay card (optional)								
ENVIRONMENTAL									
Operating temperature	0℃～40℃								
Storage temperature	-25℃～55℃(no battery)								
Humidity range	0～95% (non condensing)								
Altitude	< 1500m.When>1500m,lower the rated power for use								
Noise level	<58dB	<60dB	<62dB	<63dB	<65dB	<66dB	<68dB		
PHYSICAL									
Dimension D×W×H (mm)	828x250x868		850x442x1200						
Net weight (kg)	80	83	154	161	165	190	200	230	232
STANDARDS									
Safety	IEC/EN62040-1,IEC/EN60950-1								
EMC	IEC/EN62040-3,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8								

