

10~40kVA Perseus UPS



Rating

10~40kVA



Operation

3P/3P, online double conversion with DSP control



Main Features

- N+X parallel redundancy, supports up to 4 units in parallel
- Wide input voltage range: 208–478 VAC
- Optimised battery bank, number of batteries: 10–30 kVA: 16/18/20 units (supports 30–50 monoblocs); 40 kVA: 30–50 monoblocs
- 7-inch colour TFT LCD display
- generator-compatible
- ECO mode operation for energy saving
- Self-test on UPS start-up
- Multiple communication interfaces: USB, RS232, RS485, parallel port, dry contact, smart slot, SNMP card (optional), clean contact card (optional), battery temperature sensor (optional)

Model			PERSEUS III 10K	PERSEUS III 15K	PERSEUS III 20K	PERSEUS III 30K	PERSEUS III 40K
Rating			10kVA / 10kW	15kVA / 15kW	20kVA / 20kW	30kVA / 30kW	40kVA / 40kW
Input	Nominal Votage		380/400/415Vac, (3Ph+N+PE)				
	Operating voltage range (Vac)		305–478 (full load); 208–478 (50% load)				
	Power Factor		≥0,99				
	Harmonic distortion (THDi)		≤3% Linear Load				
	Bypass voltage range (Vac)		Maximum voltage: 220: +25% (optional +10%, +15%, +20%) 230: +20% (optional +10%, +15%) 240: +15% (optional +10%) Minimum voltage: -45% (optional -20%, -30%)				
	Bypass frequency range (Hz)		50/60±10%				
Batteria	Battery Type		VRLA (maintenance-free lead-acid battery)				
	Battery voltage Vdc		220Vdc			360Vdc	
	Charging Current (A)		recharge current can be set according to battery capacity installed, max 10A				
Output	Rated voltage		380/400/415 (3Ph+N+PE)				
	Voltage Adjustment		±1%				
	Output Frequency		Mains mode: ±1%/±2%/±4%/±5%/±10% of rated frequency (optional); Battery mode: 50/60 (±0.1%)				
	Crest Factor		3:1				
	Harmonic distortion		≤2% Linear load; ≤5% Non-linear load				
	Overload	AC Mode	≤110% 60 mins, ≤125% 10 mins, ≤150% 1 min, >150% switch immediately to bypass				
		Bat. mode	≤110% 10 mins, ≤125% 1 min, ≤150% 5 s, >150% immediate shutdown				

Model		PERSEUS III 10K	PERSEUS III 15K	PERSEUS III 20K	PERSEUS III 30K	PERSEUS III 40K
Rating		10kVA / 10kW	15kVA / 15kW	20kVA / 20kW	30kVA / 30kW	40kVA / 40kW
Efficiency	AC Mode	Up to 93,5%	Up to 94,5%		Up to 95,2%	
	Modalità ECO	Up to 98,0%	Up tol 98,2%		Up to 98,6%	
Environment	Operating temperature (°C)	0~40				
	Storage temperature (°C)	- 25~55 (without batts)				
	Humidity range	0~95% (non condensing)				
	Altitude (m)	<1000, reduction in power requirement when>1000				
	Noise level(dB)	<55		<58	<61	<64
	Dimensione standard LxWxH (mm)	900 x 250 x 868			900 x 250 x 868	
Physical	Weight (kg)	129	186		236	240
	Safety	IEC/EN 62040-1, IEC/EN 62477-1				
Standard	Electromagnetic Compatibility	IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)				
	Performance	IEC 62040-3: 2021, EN IEC 62040-3: 2021 EN 50171 Versione L				

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Rating			10kVA / 10kW	15kVA / 15kW	20kVA / 20kW	30kVA / 30kW	40kVA / 40kW
Ingresso	Nominal Votage		380/400/415Vac, (3Ph+N+PE)				
	Operating voltage range (Vac)		305–478 (full load); 208–478 (50% load)				
	Power Factor		≥0,99				
	Harmonic distortion (THDi)		≤3% Linear load				
	Bypass voltage range (Vac)		Maximum voltage: 220: +25% (optional +10%, +15%, +20%) 230: +20% (optional +10%, +15%) 240: +15% (optional +10%) Minimum voltage: -45% (optional -20%, -30%)				
	Bypass frequency range (Hz)		50/60±10%				
Battery	Battery Type		VRLA (maintenance-free lead-acid battery)				
	Battery voltage Vdc		10–30 kVA: ±96/108/120; number of batteries (16–20 units, 16 units as standard, 20 units without power derating; 18 units with output power factor 0.8/0.9; 16 units with output power factor 0.7/0.8)				40 kVA: ±180–300 (30–50 units)
			±180–300 (30–50 pieces)				
	Charging Current (A)		14	16	18	20	20
Output	Rated voltage		380/400/415 (3Ph+N+PE)				
	Voltage Adjustment		±1%				
	Output Frequency		Mains mode: ±1%/±2%/±4%/±5%/±10% of rated frequency (optional); Battery mode: 50/60 (±0.1%)				
	Crest Factor		3:1				
	Harmonic distortion		≤2% Linear load; ≤5% Non-linear load				
	Overload	AC Mode	≤110% 60 mins, ≤125% 10 mins, ≤150% 1 min, >150% switch immediately to bypass				
Bat. mode		≤110% 10 mins, ≤125% 1 min, ≤150% 5 s, >150% immediate shutdown					

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Rating		10kVA / 10kW	15kVA / 15kW	20kVA / 20kW	30kVA / 30kW	40kVA / 40kW
Efficiency	AC Mode	Up to 93,5%	Up to 94,5%		Up to 95,2%	
	ECO Mode	Up to 98,0%	Up to 98,2%		Up to 98,6%	
Environment	Operating temperature (°C)	0~40				
	Storage temperature (°C)	- 25~55 (without batts)				
	Humidity range	0~95% (non condensing)				
	Altitude (m)	<1000, reduction in power requirement when>1000				
	Noise level(dB)	<55	<58	<61	<64	
Physical	Standard Dimensions LxWxH (mm)	250×580×655				
	Weight (kg)	35	39	40	43	46
Standard	Safety	IEC/EN 62040-1, IEC/EN 62477-1				
	Electromagnetic Compatibility	IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)				
	Performance	IEC 62040-3: 2021, EN IEC 62040-3: 2021, EN 50171				

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Model		MP31 BT40120N	YDC3320 BT80120N	YDC3330 BT80120N	YDC3330H	YDC3340 BT80240N
Battery System	Battery type	VRLA (maintenance-free lead-acid battery)				
	Typical battery charging time (hours)	6–8 (up to 90% of maximum capacity)				
	Typical battery life (years)	3–5, depending on the discharge cycle and ambient temperature				
	System voltage (Vdc)	±120			±180	±240
	Number of batteries (pcs)	2×20	4×20		2×30	2×40
	Capacity (Ah)	7Ah / 9Ah				
Physical	Dimensions LxWxH (mm)	250×619×616 (Con rotelle)	250×900×868 (With wheels)			
	Weight (kg)	122/134	244/265		200/215	244/265
Environment	Operating temperature (°C)	0~40				
	Humidity range	0–95% (non-condensing)				
	Altitude	<1000, reduced power requirement when >1000				
	Noise level (dB)	<40				
Standard	Safety	IEC/EN 62040-1, IEC/EN 62477-1				

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