

50~200kVA Perseus Plus UPS



Power Range

50~200kVA



Operation

3P/3P, Online double conversion



Main Features

- Wide input voltage range 138–485 VAC (phase 80–280 VAC), no derating up to 305 VAC
- High input power factor, up to 0.99
- 3-level inverter topology, efficiency up to 95.5 per cent
- Expandable parallel operation: up to 6 units
- Batteries shared amongst UPS units in parallel
- Integrated solution: no additional battery cabinet required, saving on installation costs
- Up to 6 internal battery banks, selectable according to the required runtime
- Translated with [DeepL.com](https://www.DeepL.com) (free version)

Model		Perseus 50H	Perseus 60H	Perseus 80H	Perseus 100H	Perseus 120H	Perseus 150H	Perseus 160H	Perseus 180H	Perseus 200H
Rated power		50kVA / 50kW	60kVA / 60kW	80kVA / 80kW	100kVA / 100kW	120kVA / 120kW	150kVA / 150kW	160kVA / 160kW	180kVA / 180kW	200kVA / 200kW
Input	Rated Voltage (Vac)	380/400/415 (3Ph+N+PE)								
	Operating Voltage Range (Vac)	138-305 at 40% load; 305-485 at 100% 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 / Li-ion								
	Battery Voltage (Vdc)	360-600								
	Charging Current (A)	20	40			60				
Output	Rated Voltage (Vac)	380/400/415 (3Ph+N+PE)								
	Voltage Regulation	±1%								
	Output Frequency (Hz)	Mains mode: synchronized with the input; when the input frequency exceeds ±10% (optional ±1%/±2%/±4%/±5%), the output is 50/60 (±0.1); Battery mode: (50/60±0.2)								
	Crest Factor	3:1								
	Harmonic Distortion (THDv)	≤2% Linear load; ≤4% with nonlinear load								
	Overload	Inverter mode: ≤110% 60 min, ≤125% 10 min, ≤150% 1 min, >150% immediate inverter shutdown								
		Bypass mode: 30°C: 135% long-term; 40°C: 125% long-term; >1000%, 100 ms								
Efficiency	AC mode	Up to 95.5%								
	ECO mode	Up to 99%								

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Environmental	Operating Temperature (OC)	0-40								
	Storage Temperature (°C)	-25-55 (without battery)								
	Humidity Range	0-95% (non-condensing)								
	Altitude (m)	<1000, derating required above 1000								
	Noise Level (dB)	<55	<58	<60	<62		<63		<64	<66
Physical Characteristics	Dimensions LxDxH (mm)	250x828x868			442 x 850 x 1200					
	Weight (kg)	80	83	144	147	152	190	200	220	230
Standards	Safety	IEC/EN 62040-1, IEC/EN 62477-1								
	EMC	IEC/EN 62040-2 (IEC 61000-2-2, 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)								

1. Specifications are subject to change without notice
2. The data above are typical values provided for reference only and do not constitute a basis for engineering design