



The three-phase **Tempus 3P / 3P Series** incorporates Real Double Conversion technology, DSP and active input power factor correction, guaranteeing optimal performance and the highest quality output voltage. **The 10 Kvas (PH 9273) and 20 Kvas (PH 9293) models allow configuring the single-phase output (3P/1P).**

Data Sheet

Reference	PH 9273	PH 9293	PH 9283	PH 9284
Power	10000 VA / 10000 W	20000 VA / 20000 W	30000 VA / 30000 W	40000 VA / 40000 W
Power Factor	1	1	1	1
Input				
Low Line Transfer	110VAC (3-phase-neutro) ± 3 % al 50% load 176VAC (3-phase-neutro) ± 3 % al 100% load			
Low Line Comeback	Line with low voltage +10V			
High Line Transfer	300 VAC(L-N) ± 3 % at 50% load - 276 VAC(L-N) ± 3 % at 100% load		300VAC (3-phase-neutro) ± 3 % al 50% load. 276VAC (3-phase-neutro) ± 3 % al 100% load	
High Line Comeback	Line with high voltage -10V			
Frequency Range	46~54Hz 56~64Hz			
Phase	Three phases with ground			
Power Factor	≥ 0.99 @ 100% load			
Output				
Phase	Three phase convertible to single phase		Three phase	
Output voltage	3 x 400 VAC (3Ph+N) 360/380/400/415VAC (Ph-Ph)		3 x 400 VAC (3Ph+N)	
AC voltage regulation	± 1%			
Sync / Bat Frequency Range	46~54 Hz 56~64 Hz / 50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
Peak current value	3:1 (max.)			
Harmonic distortion	≤ 2 % THD (linear load) / ≤ 5 % THD (no linear load)			
AC/Bat Overload Protection	100%~110%: 10 min. 110%~130%: 1min. >130%: 1 sec / 100%~110%: 30 sec. 110%~130%: 10 sec. >130%: 1 sec.			
Transfer time. (AC/BYPASS)	0 ms / 0 ms- Cut in phase - 4 ms cut in Bypass			
AC / ECO / Bat Efficiency	95.5 % / 96 % / 94.5 %		94 % / 96 % / 93.5 %	
Battery				
Quantity / Type / No.	20x 12V / 9Ah	32x 12V / 9Ah	64x 12V / 7Ah	64x 12V / 9Ah
Charging time (90%)	9 h	9 h	9 h	9 h
Charging Current / Voltage	1.0~12.0A ±10% (Adjustable) / +/-136.5 VDC ± 1%	1.0~12.0A±10% (Adjustable) / +/-218 VDC ± 1%	2 A ± 10% (max.) / 218VDC ±1%	4 A ± 10% (max.) / 218VDC ±1%
Characteristics				
Dimensions (WxHxD)	630 x 250 x 826	630 x 250 x 826	815 x 300 x 1000	815 x 300 x 1000
Weight (Kg)	124	139	225	250
Operating humidity	> 95 % no condensation @ 40° C			
Noise level	< 60dBA @ 1 m	< 65dBA @ 1 m	< 60dBA @ 1 m	< 70dBA @ 1 m

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* Reduce capacity to 90% when output voltage is set to 208 VAC.

** If the UPS is installed or used more than 1000 meters, the output power should be derated 1% every 100 meters.

