

Transcend® P4™ and P8™ Battery Performance

Transcend P4 and P8 batteries are engineered to power Transcend PAP devices¹ so you don't have to miss a night of therapy. The batteries have been rigorously tested to perform according to their stated specifications, but it is important to be aware that certain conditions can affect battery performance. These conditions include therapy pressure (or, in the case of Transcend Auto™, average therapy pressure), mask leak rate, respiratory rate, tidal volume, and altitude.

Refer to the battery operating performance test results in the tables below to determine which Transcend battery best suits your needs.

Note: Mask leak rate is the condition most likely to reduce battery performance. (Testing results below were generated at a leak rate of 15LPM².) If you are susceptible to high leak rate or a high respiratory rate, the P8 battery may better suit your needs if you plan to use battery power away from home.

Transcend P4 Battery Operating Performance						
6' Standard Hose						
		Device Pressure (cmH ₂ O)				
		4	8	12	16	20
		Hours of Continuous Operation				
Breaths per minute (BPM)	10	25	13	9	6	4
	15	19	12	7	5	4
	20	11	8	6	4	4

Transcend P8 Battery Operating Performance						
6' Standard Hose						
		Device Pressure (cmH ₂ O)				
		4	8	12	16	20
		Hours of Continuous Operation				
Breaths per minute (BPM)	10	50	27	18	13	9
	15	36	25	15	12	9
	20	24	17	13	10	8

The P8 battery is recommended for therapy pressures greater than 12cmH₂O. If you intend to use the Transcend battery primarily as in-line backup power, either of the P4 or P8 batteries are suitable.

¹ Transcend P4 and P8 batteries are not intended to provide operating power to the Transcend Heated Humidifier.

² The 15LPM default standard was chosen based on ISO 17510-1:2007 *Sleep Apnoea Breathing Therapy*, Section BB.2, which sets a mask leak standard of 15LPM.