

Standard PoE and PoE Plus parameters compared

Properties	IEEE 802.3af (802.3at Type 1)	IEEE 802.3at Type 2
Power available at PD	12.95W	25.50W
Max. power by PSE	15.40W	34.20W
Voltage range at PD	37.0 - 57.0V	42.5 - 57.0V
Voltage range at PSE	44.0 - 57.0V	50.0 - 57.0V
Max. current	350mA	600mA
Power management	Three power class levels negotiated at initial connection	Four power class levels negotiated at initial connection, or 0.1W steps negotiated continuously
De-rating of maximum cable ambient operating temperature	None	5°C with two pairs used, 10°C with four pairs used
Supported cabling	Cat 3 and Cat 5	Cat 5
Supported modes	Mode A (end span), Mode B (mid span)	Mode A, Mode B, Modes A & B operating simultaneously