

(PSE Baseline changes shown in red)

Table 145–16—PSE output PI electrical requirements for all PD Classes, unless otherwise specified

Item	Parameter	Symbol	Unit	Min	Max	PSE Type	Additional information
1	Output voltage per pairset in a power on state	$V_{\text{Port_PSE-2P}}$	V	50	57	3	See 145.2.10.1,
				52		4	
2	Pair-to-pair voltage	$V_{\text{Port_PSE_diff}}$	V	—	0.01	3, 4	See 145.2.10.2.
⋮							
⋮							
⋮							
19	Reflected Current	I_{refl}	mA	—	1.3	3, 4	See 145.2.13

145.2.13 Reflected Current

4-pair PSEs which only switch the negative conductors will connect one negative pair and two positive pairs to a PD when providing 2-pair power; this can cause some single-signature PDs to couple the negative pair voltage to the pair that is switched off, resulting in $V_{\text{port_PD-2P}}$ voltages on both pairsets. Under these conditions, the reflected current to the PSE through the pair that is switched off shall not exceed 1.3mA.