802.3cv draft 1.0 comment 1 & 8 resolution:

"Note: some implementations of the Power via MDI TLV in Type 1 and Type 2 power entities ignore TLVs that have greater than 12 octets. In order to be interoperable with these implementations, Type 3 and Type 4 power entities are permitted to transmit 12 octet TLVs (without the Type 3 and Type 4 extension) after first transmitting at least one valid 29 octet TLV (including Type 3 and Type 4 extension).

Power Entity A	Power Entity B	Power Entity A Sends	Power Entity B Sends	Recommended TLV Format
Type 1-2	Type 1-2	12 octet TLV	12 octet TLV	12 octet TLV
Type 3-4	Type 1-2	29 octet TLV	12 octet TLV	12 octet TLV
Type 1-2	Type 3-4	12 octet TLV	29 octet TLV	12 octet TLV
Type 3-4	Type 3-4	29 octet TLV	29 octet TLV	29 octet TLV

Type 3 and Type 4 PD power entities can determine the PSE Type based on the length of the first classification event (see 145.3.7) or based on the length of a received Power via MDI TLV (see figure 79-3). Type 3 and Type 4 PSEs can determine the PD Type based on the PDs Physical Layer requested Class (see 145.2.8 and 145.3.6.1) or based on the length of a received Power via MDI TLV (see figure 79-3)."