

GB/T 20234-2015 版充电枪及配线规格推荐

(EV plug of GB20234 and recommended size of their charging cable)

充电接口类型 Type of connector	产品标准 Standards	额定电压 Rated voltage	额定电流 Rated current	充电枪配线规格推荐 ^a Recommended size of charging cable for each EV plug
直流充电枪 EV plug for DC charging system	GB/T 20234.3-2015	750V(DC) 1000V(DC)	80A	$2 \times (25-35) + 1 \times (25-35) + 2 \times (4-6) + (4-n) \times (0.75-2.5)$
			125A	$2 \times (35-70) + 1 \times (25-70) + 2 \times (4-6) + (4-n) \times (0.75-2.5)$
			200A	$2 \times (50-150) + 1 \times (25-150) + 2 \times (4-6) + (4-n) \times (0.75-2.5)$
			250A	$2 \times (70-150) + 1 \times (25-150) + 2 \times (4-6) + (4-n) \times (0.75-2.5)$
交流充电枪 EV plug for AC charging system	GB/T 20234.2-2015	250V(AC)	10A	$3 \times (1.5-2.5) + (1-m) \times (0.5-1.5)$
			16A	$3 \times (2.5-6) + (1-m) \times (0.5-1.5)$
			32A	$3 \times (6-10) + (1-m) \times (0.5-1.5)$
		440V(AC)	16A	$5 \times (2.5-6) + (1-m) \times (0.5-1.5)$
			32A	$5 \times (6-10) + (1-m) \times (0.5-1.5)$
			63A	$5 \times 16 + (1-m) \times (0.5-1.5)$

注 a:

(1) “n”与“m”为信号/控制线芯数量，根据充电枪功能进行配置。

(“n” and “m” are the number of signal or control cores, are not specified, depending on the function configuration of charging systems)

(2) 信号/控制线芯允许多个不同标称截面的组合，允许绞合成多个单元进行成缆，例如：“6x0.75+2x1.5”，允许部分单元的信号/控制线芯屏蔽，例如：“6x0.75P+2x1.5”。

(Combination of different size of signal or control cores is allowed. The signal or control cores could be twisted together to be one or more unit, before assembly of cores, part or all of which are permitted to be shield by braided copper screen.)

(3) 充电线缆常见型号有：EV-SS，EV-S90S90，EV-S90U，EV-EYU，EV-EYYJ，其中：“EV-EYU 450/750V”对应于 EN50620 中的“EVC Z5 300/500V, 450/750V”；“EV-EYYJ 450/750V”对应于 EN50620 中的“EVC Z6 300/500V, 450/750V”。

(Common type of charging cable: EV-SS(TPE), EV-S90S90(TPE90), EV-S90U(TPU), EV-EYU, EV-EYYJ, in which, “EV-EYU 450/750V” corresponds to “EVC Z5 300/500V, 450/750V” in EN50620, “EV-EYYJ 450/750V” corresponds to “EVC Z6 300/500V, 450/750V” in EN50620)

(4) 充电枪配线应通过 CQC 产品认证。Charging cable should be certificated by CQC.