

Appendix 1: List of Recommended cables for each PowerHill-P125-261KWh-S2 external interface

Product Model	Rated Current (A)	Cable Type	Cable Material	Cross- section Area (mm ²)	Terminal	Remarks
PowerHill-P125-261kWh-S2	181A	L1, L2, L3	Copper	70	SC 70-8	/
			Aluminum	95	SC 95-8	/
		Neutral	Copper	35	SC 35-8	If there are big single-phase loads, and the three-phase load imbalance are huge, it is recommended that the cross-section area of the Neutral Cable be the same as that of L1, L2, L3.
			Aluminum	50	SC 50-8	
		Ground	Copper	35	SC 35-6	/
			Aluminum	50	SC 50-6	
	/	PCS-STs Parallel Communication Cable	Shielded CAT6 Cable	/	Shielded RJ45 Connector	/
		RS485	Shielded Twisted Pair Cable	≥0.75	/	Characteristic Impedance: 120Ω
		Network Cable	Shielded CAT6 Cable	/	Shielded RJ45 Connector	Internal resistance ≤ 1.5Ω/10m
		UPS Power Cable	Copper	≥1.5	/	1kVA UPS for single cabinet