



Cable Set

Name	Specification	Area	Outer Diameter	20°C max conductor resistance	Rated Voltage	Rated Capacity *
PV DC Cable	H1Z2Z2-K 1x6mm ²	1x6 mm ²	6.3±0.15mm	≤3.39 Ω/km	DC:1500V AC:1000V	70A
Inverter to Battery DC Cable	UL 11627 8AWG	1x8 AWG	6.50±0.20mm	2.23 Ω/km	2000V	50A
	UL 11627 10AWG	1x10 AWG	4.80±0.20mm	3.546 Ω/km	2000V	30A
On Grid AC Cable	NYY-5x4mm ²	5x4 mm ²	16.3±0.50mm	4.95 Ω/km	600/1000V	25A
	NYY-5x6mm ²	5x6 mm ²	19.1±0.50mm	3.3 Ω/km	600/1000V	32A
Backup AC Cable	NYY-5x4mm ²	5x4 mm ²	16.3±0.50mm	4.95 Ω/km	600/1000V	25A
	NYY-5x6mm ²	5x6 mm ²	19.1±0.50mm	3.3 Ω/km	600/1000V	32A
Inverter & Battery PE	H07V-K 6mm ²	1x6 mm ²	4.80±0.10mm	3.3 Ω/km	450/750V	36A
PV Roof Grounding	NYY-1x6mm ²	1x6 mm ²	9.5±0.20mm	3.3 Ω/km	600/1000V	40A
Ethernet Cable	UTP CAT5e					
Meter Cable	H03VV- F 4x0.5mm ²	4x20 AWG	7.0±0.2mm	36.7 Ω/km	600V	9A

Name	From	To	Remark
PV DC Cable	PV Modules	Inverter PV connector	Cable terminals are made and installed on site
Inverter to Battery DC Cable	Inverter Battery connector	Battery output connector	Cable terminals are prefabricated and installed at the factory
On Grid AC Cable	Inverter On-grid output terminal	Original distribution box	Inverter side terminal is prefabricated and installed at the factory
Backup AC Cable	Inverter Backup output terminal	Back-up loads	Inverter side terminal is prefabricated and installed at the factory
Inverter & Battery PE	Inverter & Battery grounding hole	External ground Bar	Inverter & Battery side terminals are prefabricated and installed at the factory
PV Roof Grounding	PV supporting bracket	External ground Bar	Cable terminals are made and installed on site
Ethernet Cable	Inverter Multi-com Connector (COM2)	Meter	Both side terminals are prefabricated and installed at the factory
Ethernet Cable	Inverter Multi-com Connector (COM2)	Battery	Both side terminals are prefabricated and installed at the factory
Meter Cable	Meter terminal (1,2,3,4)	Grid (L1, L2, L3, N)	Meter side terminal is prefabricated and installed at the factory

* Free in air rated capacity