

**Junction box for Photovoltaic System** **ST618**

- Protected IEC 60068-2-52
- Dust & water-proof IP65(without potting), IP68(1m/1h)(potting)
- UV, Ammonia, safety class II
- Safety requirement and test as per IEC 62790:2020, EN IEC 62790:2020
- Ribbon termination is achieved by soldering
- Customer-specific: connector, diode, cable length

**● Technical data**

Rated current	20A, 25A, 30A
Rated voltage	1500V DC
Degree protection, mated	IP65/IP68(1m,1h)
Application class	A
Protection class	II
Ambient temperature range	-40°C to +85°C
Flame class	UL94 V-0
Insulation material	PPO
Locking system	Locking type
Type of termination for ribbon	Soldering
Rated impulse voltage	16 kV
Upper limiting temperature	110 °C
Contact material	Copper, tin plated
Contact resistance	≤0.25mΩ
Overvoltage category / Pollution degree	CATIII / 1
Silicone type	Potting(8ml)

**● Order information**

Part No.	Order No.	Current	Diode type	Terminal	Crosssection	Cable length(cm)
ST618	69S3601	20A	30PV045	Soldering	4mm <sup>2</sup>	35
ST618	69S3602	20A	30PV045	Soldering	4mm <sup>2</sup>	100
ST618	69S3603	20A	30PV045	Soldering	4mm <sup>2</sup>	120
ST618	69S3604	25A	40PV045	Soldering	4mm <sup>2</sup>	35
ST618	69S3605	25A	40PV045	Soldering	4mm <sup>2</sup>	120
ST618	69S3606	25A	40PV045	Soldering	4mm <sup>2</sup>	140
ST618	69S3607	30A	50PV045	Soldering	4mm <sup>2</sup>	35
ST618	69S3608	30A	50PV045	Soldering	4mm <sup>2</sup>	140

