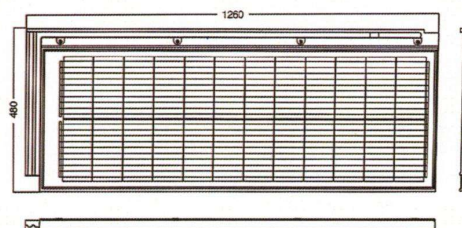


Product Display



Product Specification

Unit : mm



Physical Parameters

Product Color	Black		Red (JSA10-202)		Grey (JSA10-102)	
Product Number	JS38DG-5e 1/2	JS90DG-13e 1/2	JS31DG-5e 1/2	JS75DG-13e 1/2	JS32DG-5e 1/2	JS78DG-13e 1/2
Dimensions	630*480mm	1260*480mm	630*480mm	1260*480mm	630*480mm	1260*480mm
Weight	7.5kg	15.5kg	7.5kg	15.5kg	7.5kg	15.5kg
Battery Size	182*91mm (2*5)	182*91mm (2*12)	182*91mm (2*5)	182*91mm (2*12)	182*91mm (2*5)	182*91mm (2*12)
Junction Box	≥IP67	≥IP67	≥IP67	≥IP67	≥IP67	≥IP67
Cable Type	450mm / 4mm ²	900mm / 4mm ²	450mm / 4mm ²	900mm / 4mm ²	450mm / 4mm ²	900mm / 4mm ²
Tempered Glass	Low Iron Tempered Glass/3.2mm+3.2mm					
Cable Connector	MC4					
Service Life	>30Years					

Electrical Performance Parameters (STC)

Chip Type	Monocrystalline Silicon		Monocrystalline Silicon		Monocrystalline Silicon	
Power Output (P _{max})	38W	90W	31W	75W	32W	78W
Component Efficiency(%)	17.3%	18.9%	14.1%	15.8%	14.5%	16.4%
Voltage at Pmax (V _{mpp})	5.71V	13.7V	5.58V	13.4V	5.63V	13.5V
Current at Pmax (I _{mpp})	6.65A	6.57A	5.56A	5.59A	5.68A	5.78A
Open-circuit Current (V _{oc})	6.79V	16.3V	6.71V	16.1V	6.76V	16.2V
Short-circuit Current(I _{sc})	6.97A	6.89A	5.89A	5.93A	5.96A	6.07A

STC: 1000W/m² irradiance, 25 °C cell temperature, AM1.5

Performance Class

Load Class	2400Pa
Fire-proof Level	ClassA
Anti-hail rating	Φ25mm/23m/s
Operating Temperature	-40°C至+85°C
Working Humidity	0-80%

Operating Conditions

Maximum System Voltage	1500V _{DC}
Maximum Fuse Rating	20A
Operating Temperature	-40°Cto+85°C
Maximum Frontal Static Load (snow load and wind load)	5400Pa
Maximum Static Load On The Back (wind load)	2400Pa
Hail Test (hail diameter / impact velocity)	25mm / 23m/s

Temperature Features

Nominal Operating Temperature	NOCT	°C	45 ± 2
Power Output Temperature Coefficient	γ	%/°C	-0.36
Open-circuit Current Temperature Coefficient	β _{Voc}	%/°C	-0.30
Short-circuit Current	α _{Isc}	%/°C	0.05

Due to continuous innovation, research, and product upgrades, the contents of this product specification are subject to change without prior notice. These contents may be slightly skewed, and their contents are not guaranteed.

These data are not specific to a single component, they are not part of the sale, they are just used to compare different models of components.

Qualification and Certification

IEC 61215, IEC 61730, 3C, ISO 9001:2015, ISO 14001:2015, ISO 45001: 2018.