

# Power Distribution 5/8/15 SSO

## Simple and cost-effective installation of SSOs

- Enables connection of up to 15 SSOs
- Fuses for every SSO and a breaker towards the DC nanogrid enables security
- Easy to install
- Futureproof design allows easy expansion



The image is a concept picture which resembles the Power Distribution.

## Easy installation of up to 15 SSOs

Our Power Distribution box offers a simple and cost-effective installation of the EnergyHub system and its Solar String Optimizer(s) (SSOs). Installation near the Solar String Optimizers enables the DC grid's 760VDC, which not only means less cabling in number and cable size but also greater distances between the PV system and the inverter which opens for flexibility and larger systems using a single inverter. The box has individual fuses for each SSO and a breaker towards the DC nanogrid.

# Power Distribution

## 5/8/15 SSO

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	Power Distribution [5, 8, 15]		
Model	5	8	15
Rated DC current	63 A	126 A	189 A
Rated DC voltage	1000 VDC	1000 VDC	1000 VDC
<b>Inputs</b>			
Gland holes/feed through	6 x M20	8 x M20	16 x M20
PE	5 x <4mm <sup>2</sup>	8 x <4mm <sup>2</sup>	15 x <4mm <sup>2</sup>
L+	5 x 1.5-10mm <sup>2</sup>	8 x 1.5-10mm <sup>2</sup>	15 x 1.5-10mm <sup>2</sup>
L-	5 x 1.5-10mm <sup>2</sup>	8 x 1.5-10mm <sup>2</sup>	15 x 1.5-10mm <sup>2</sup>
<b>Outputs</b>			
Gland holes/feed through	1 x M20 1 x M32	1 x M25 1 x M32	1 x M25 1 x M32 1 x M40
PE	1 x <25mm <sup>2</sup>	1 x <25mm <sup>2</sup>	1 x <25mm <sup>2</sup>
L+	1 x 1.5-16mm <sup>2</sup>	1 x 10-50mm <sup>2</sup>	1 x 35-120 mm <sup>2</sup>
L-	1 x 1.5-16mm <sup>2</sup>	1 x 10-50mm <sup>2</sup>	1 x 35-120 mm <sup>2</sup>
<b>Physical</b>			
Dimensions H x W x D (mm)	250x430x150	400x380x150	750x580x150
Weight (kg)	8	13	23
Material	Cold-rolled steel (housing and front door) Galvanized steel (mounting plate)		
Color	Grey (RAL 7032)		
Finish	Thermosetting powder coating, corrugated finish		
<b>Installation</b>			
Ambient temperature	-25°C to 45°C		
Protection	IP 65		
<b>System design</b>			
Number of SSO Single 8kW	1-5	1-8	1-15
<b>Compliance</b>			
LVD	EN 61439-1 & EN 61439-2		
Degree of protection against external mechanical impact	IK10		

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