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SolShare 35 UK Product Datasheet

Allume's SolShare is the world's only behind-the-meter Solar PV Sharing System. Providing functionality to supply the AC energy outputted from a solar PV inverter to multiple grid-connected flats. Classed as a direct connection of solar PV to each flat, SolShare unlocks the many benefits of solar to blocks of flats, simply and affordably.

The behind-the-meter solution requires no change to existing electrical infrastructure and is intuitively designed to make the installation process as simple as possible for solar installers.

A SolShare unit is placed between the inverter and the flats grid supply. Receiving one three-phase AC input from the inverter and outputting up to 15 single-phase AC outputs. Three outputs can be combined for a three-phase connection like the Landlord supply.

SolShare 35 has a maximum input capacity of 35 amps per phase (typically paired with a 10 to 20kW inverter) and can be connected to 15

single-phase flats. The technology is modular e.g. 100 flats can be connected via 7 SolShares.

Meters can be located inside or outside of the flats. The solar point of connections is at the consumer unit or meter isolator respectively.

Allume provide full training and guidance on how to: pitch, design, quote, install, commission and maintain complete SolShare solar PV systems.

To find the most up-to-date version of this and all other SolShare technical documents, please visit:

<https://allumeenergy.com/uk/resource-library-uk/>



Classed as a direct PV connection for SAP & EPC



Tailorable kWp allocation for each flat



Automated SolCentre energy data reports



Remote fault and underperformance alerts



Ofgem certified innovation measure

General Specifications

Parameter	Value
Dimensions	920 x 485 x 270 mm (H x W x D)
Weight	38kg
Max number of connections per unit	15 single-phase or 5 three-phase (or a combination)
Install environment	Degree of protection IP56 (as per IEC 60529)
Operating temperature range	-20 to +50°C
Metering accuracy	± 2%

Electrical Specifications

Parameter	Value (at 25°C)
Max nominal current (per phase)	35 A
Voltage range (phase to neutral)	216 – 260 VAC
Voltage drop (I is nominal current)	2.8 V
Mains frequency range	50 – 60 Hz
Overcurrent rating	30 kA
Max power input at 230V (indicative)	22 kW
Input Power Factor	1

Safety Certification

 SolShare is certified with the Regulatory Compliance Mark (RCM).

 SolShare is certified with the UK CA mark.

 SolShare is certified with the CE mark.

Installation Requirements

1. Power input from a three-phase, grid connected inverter (3 x single-phase grid connected inverters can be used if required).
2. It is recommended that there are at least 2 outputs connected on each phase. Example minimum connections:
 - 6 x single-phase
 - 2 x three-phase
 - 1 x three-phase plus 3 x single-phase
3. Meters can be located inside or outside of the flats.
4. Building must be supplied by three phase connection and all flats connected to a SolShare must be supplied by the same three phase supply.
5. Installation must be carried out by a licensed electrician who has gained SolShare Installation certification. [Apply here.](#)
6. SolShare must be kept free of dust and water ingress during installation.

Clearance

