



SolShare 35 Product Datasheet

Allume’s SolShare is the world’s first power division control system (PDCS). Providing functionality to supply the AC energy outputted from a solar inverter to multiple grid-connected units behind-the-meter. The SolShare opens the solar market to apartments and businesses that share a roof.

The SolShare 35 has a maximum recommended input capacity of 22kW, and can be connected to 15 units, making it primarily suitable for residential sites in Australia.

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

The SolShare unit is placed between the inverter and the main switchboard. Receiving one three-

phase AC input from the inverter and outputting up to 15 single-phase or 5 three-phase AC outputs (or a combination of both). Outputs are wired on the load side of each unit’s meter, at the building’s common main switchboard.

Information on how to design a SolShare system can be found in our ‘SolShare System & SLD Design Rules’ document.

-  Solar delivery optimisation
-  Complete solar & usage monitoring
-  Integrated billing for Power Purchase Agreements
-  4G for datalogging and firmware updates
-  Multiple solar delivery algorithms to suit project requirements

Technical Data

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 – 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 (recommended) | 22 kW |
| Input Power Factor | 1 |

Safety Certification

The SolShare is a certified with the Regulatory Compliance Mark (RCM)



AS/NZS3820:2009

Accessories

15 x Current Transformers (10 meter cable lengths)

Installation Requirements

1. Power input from a three-phase, grid connected inverter (single-phase grid connected inverters can be used if required)
2. Number of connections:
 - 6 or more single-phase outputs
 - 2 or more three-phase outputs
3. Ganged/co-located smart meters and main switches
4. Cable access between SolShare unit and central main switchboard
5. Installation must be carried out by a licensed electrician
6. SolShare must be kept free of dust and water ingress during installation

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