



SolShare 100 Product Datasheet

Allume's SolShare technology enables the solar power generated from a single system to be distributed across multiple grid connected units like those in apartment buildings and shopping centres.

The SolShare 100 has a capacity of 100A AC making it primarily suitable for commercial sites in Australia and the EU, and residential apartments in the USA.

A SolShare 35 version is available for lower demand applications including residential apartment buildings in Australia and the EU.

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 3-phase AC input from the inverter and outputting up to 15 single-phase or 5 three-phase AC outputs. Outputs are wired on the load side of each unit's main switch, at the building's common main switchboard.



Complete solar & usage monitoring



Integrated billing for Power Purchase Agreements



Over the air firmware updates



35A & 100A (per phase) models are available



Suitable for AUS, US & EU voltage & frequency

Technical Data

General Specifications

Parameter	Value
Dimensions	920 x 485 x 270 mm (H x W x D)
Max number of connections per unit	15 single-phase or 5 three-phase (or a combination)
Operating temperature range	-10 – 60°C
Metering accuracy	± 0.5%

Electrical Specifications

Parameter	Value (at 25°C)
Max nominal current (per phase)	100 A
Voltage Range	100 – 260 VAC
Voltage Drop (I is nominal current)	$0.9 + .002 * I$
Mains frequency range	50 – 60 Hz
Overcurrent rating	30 kA
Max input at 230V (recommended)	65 kW
Max input at 120V (recommended)	32.5 kW

Test Certification

Test	Test House
Anti-islanding certification	TÜV Rheinland
Fault scenario certification	TÜV Rheinland

Installation Requirements

1. Input must come from a three-phase, grid connected inverter
2. Output Connections:
 - 6 or more single-phase outputs
 - 2 or more three-phase outputs
3. Ganged 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

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