





About **SICAME Group**

With over 60 years of expertise in developping products and services related to electricity transmission, distribution, safety equipment, and tools associated with electrical networks, Sicame group is recognized as one of the leader on the market



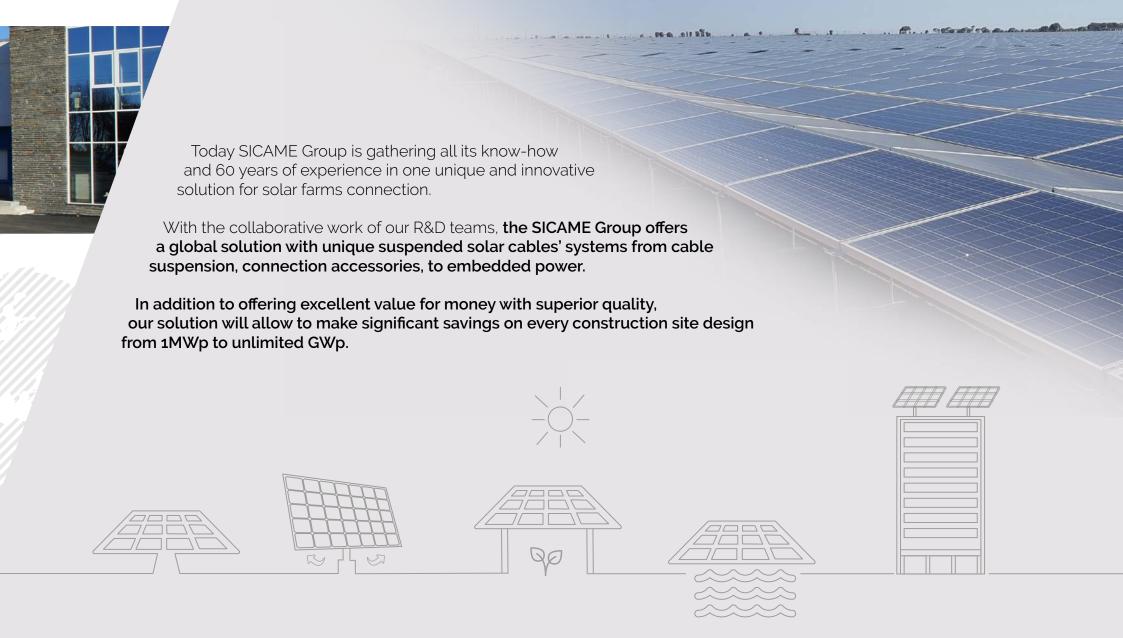
50 Companies

to deliver safe enery to people over the world

Today the group is established in 24 countries and its products are distributed in 170 countries.

50,000+ products manufactured for 5 strategic activity domains

2,800 Employees













25%

Cost saving

- Less cable
- Lower level of operators skills
- No trenches (no sand, no soil to dispose of, less labour)

50%

Losses saving

- Minimize network losses
- Less cable
- Reduced contact resistance



Reliability

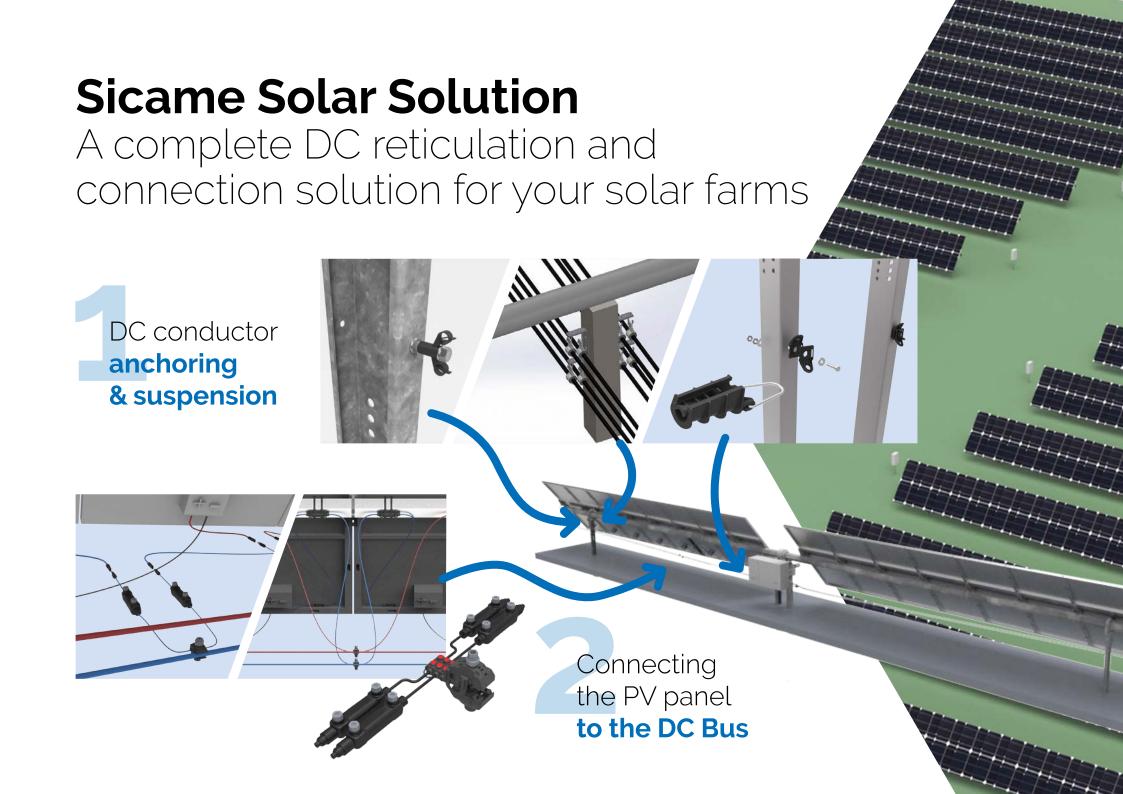
- Optimized fuse ventilationProven IPC technology
- Contact resistance

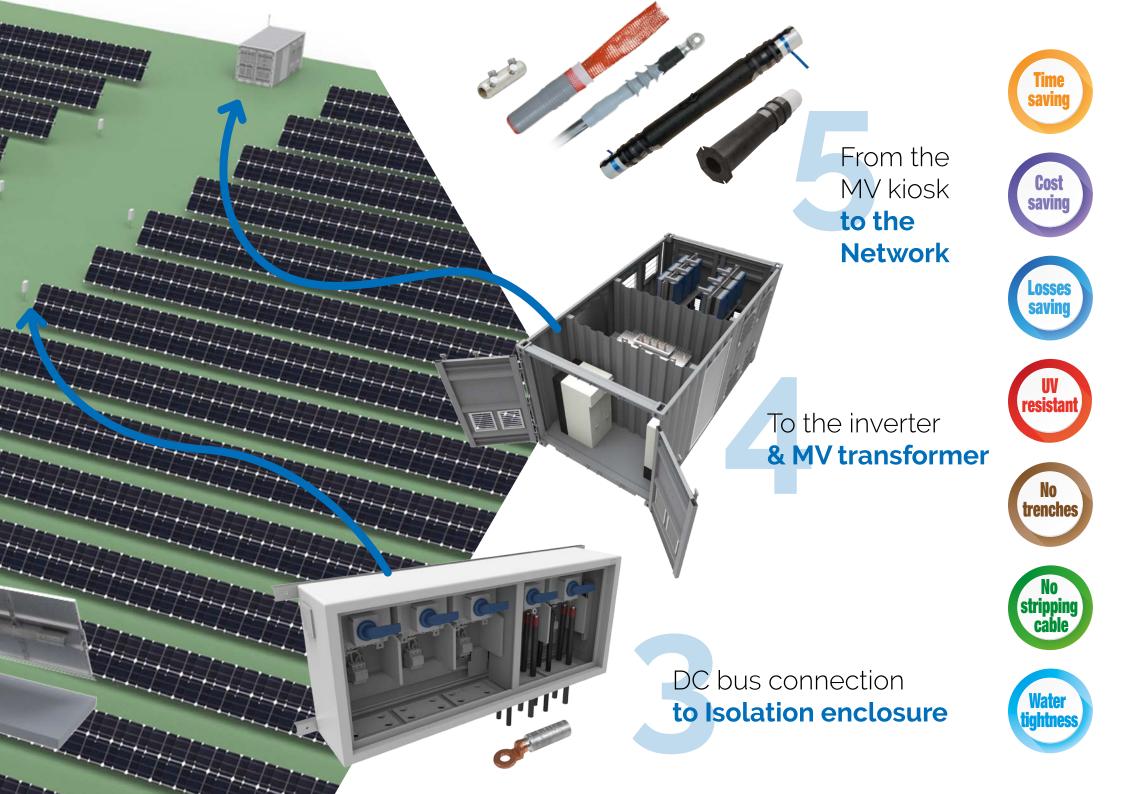
23%

Time saving

- No civil work
- Aerial is quicker and faster to install (no stripping and no combiner box)

Source: Comparative study of IPC-Harness-6ways VS combiner box 24 strings design block 5MVA; The PV Boutique; SICAME Group





Sicame Solar Solution

A complete DC reticulation solution for your solar

Anchoring & suspension accessories



- Sicame best sellers
- Cost saving
- Easy and fast to install
- Minimal tooling
- No trenching
- No specific skills
 - required
- UV stabilized

- Live line work contact
- High mechanical and climatic resistance
- Parellel separation of + and DC Bus polarity
- Suitable from 4mm² to 300mm² conductor range
- Modular design system



Anchoring clamps & accessories

DC Strung Bus

Double bracket device for suspension

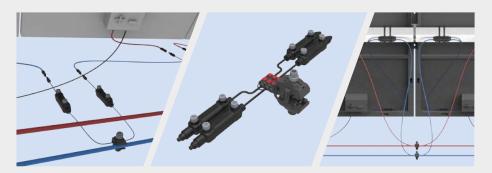
DC IPC

Solar Harness



- Sicame IPC technology
- Reliability
- Easy to install
- Minimal tooling
- Less labor time
- Less cabling time
- No more combiner box
- Upon request consultation

- String leads from 4–10mm²
- Bus cabling from 50-300mm², double insulated cable
- Suitable with copper and aluminum, stranded or flexible conductor
- Shear head bolt predetermined torque for reliable & repeatable connection
- 1500 VDC rated system
- Inline fuse ratings from 4-32A
- Dielectric testing to 6.5kV 300mm underwater

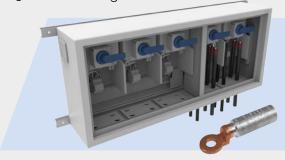


plants

DC Isolation **Enclosure**



- Customizable according to project requirements
- Strong mecanical resistance
- UV and corrosion resistance
- Water thigthness
- Strong mechanical shock resistance IK10
- IP54 or IP66 protection degree
- High resistance to heat, fire and abnormal heat
- High dielectric stenght
- Light weight
- 2 Pole pad lockable load break switches
- 2 Pole surge arresters
- 1500 VDC cabling



Containerized **MV kiosk**



- Customizable according to project requirements
- Integrated Cell: Inverter, Transformer & Switchgear
- Aeration and ventilation system
- Excellent thermal characteristics
- 60mm thick insulating panels in a 20' maritime container
- Ventilation: natural, mechanical, fan, air conditioning
- Integration of equipment (inserts for battery chargers, inverter), battery rack, battery
- Separation partition (between batteries, generator set)

 Integrated grounding system





- Cold shrink technology
- Easiest and quickest assembly
- Extremely Reliable
- Product customization for individualized needs
- Limits misassembling risks

The accessories from 6 to 36kV:

- Terminations (indoor, outdoor)
- Joints (1 core or 3 cores)
- Straight through joints
- Branch joints
- Transitions
- Dead ends
- Elbow connectors



Sicame solar Solution

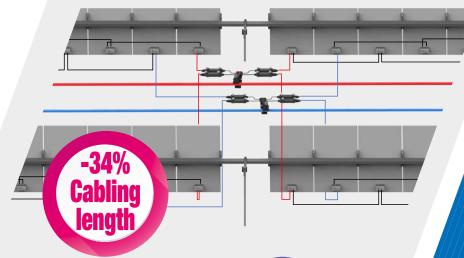
A game changer in the electrical design of your PV



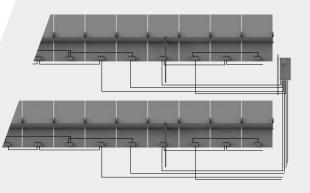
plants

Cabling savings with Sicame IPC system versus linear cabling

Sicame Harness cabling and IPC module layout



Traditional linear cabling layout









Sicame Solar

Support

Sicame provides expert assistance in your electrical changes & improvements and has developed an in-house configurator to help you assess costs-benefits and select your optimized design solution.

Project parameters

Configuration of our IPC solution versus standard models

Input data in accordance to the customer specifications

- Design of the PV installation block,
- AC/DC ratio.
- Hour rate

Physical variable magnitudes data characterizing the dimensions of the installation

Choice of currency zone (exchange rate, hourly rate)

Your benefits

Calculation of cable lengths

Calculation of technical losses

Comparison of cable tray and trenches lenghts

Evaluation implementation and product costs - from DC routing to inverter



www.sicamegroup.com