

➤ YOUR POWER FACTOR SOLUTION ◀

SMART REACTIVE POWER COMPENSATION SYSTEM MACRO-MICRO INTEGRATED®



ABOUT COMPANY

Bina Tenaga Energy is equipped with qualified, experienced and competent personnel capable of conducting research and scientific endeavors, developing products/systems and delivering projects from small, medium to large scale.

◆ PFCS UNIQUE PROPOSITION ◆

COST SAVING

- ELIMINATE PF SURCHARGE 
- REDUCE OPEX AND CAPEX
- REDUCE KWH, KVARH & KVAH AT OUTGOING LEVEL


UNIQUE DESIGN & INSTALLATION

- UNIQUE INTERNAL CONNECTION - WYE (STAR-DELTA)
- PREVENT UNDER & OVER COMPENSATION
- UNIQUE INSTALLATION AT OUTGOING LEVEL

RELIABILITY & SCALABILITY

- INTEGRATED COMPENSATION SYSTEM BENEFITED HT-LV/INCOMING-OUTGOING ACTIVE POWER LINE
- DIRECTLY & INDIRECTLY MITIGATING OTHER POWER ISSUES

INTEGRATION WITH RE SOLUTION

- STABILIZE POWER FACTOR AT RE PENETRATION POINT (INCOMING & OUTGOING)
- VITAL ENABLER IN SOLAR ECOSYSTEM 

COMPLIANCE

- COMPLY WITH LOCAL AND INTERNATIONAL REGULATION STANDARD.

UNIQUE MAINTENANCE PROGRAM

- PREVENTIVE & REMEDIAL MAINTENANCE PROGRAM (CAN BE EXTENDED UP TO 10 YEARS)



◆ FOR NON-SOLAR USERS ◆



1. Non-Domestic Low Voltage (Commercial & SME)

- ➔ For Consumers without capacitor banks who are currently incurring PF Surcharge.

2. Non-Domestic Medium & High Voltage (11kV - 132kV)

- ➔ For Consumers with existing capacitor bank, seeking upgrades, optimization active power line & sustainable system performance in the long run.

◆ FOR SOLAR USERS ◆



All industrial and commercial solar PV users (below & above 72 kWp)

- ➔ Conducting Power Factor Assessment
- ➔ Delivering solutions with trust and reliability.

We provide **Consultancy Services** on Power Factor for:



MEDIUM/LARGE FACTORY



RETAIL OUTLET



MOSQUE & RELIGIOUS BUILDINGS



EDUCATIONAL INSTITUTIONS



GOVERNMENT BUILDING



SME FACTORY



SHOPLOT PREMISES



COMMERCIAL BUILDING
(OFFICE LOT & TOWERS)



AGRICULTURE, AQUACULTURE
& CONSTRUCTION



OFFGRID PREMISES

CERTIFICATIONS

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SIRIM QAS INTERNATIONAL SDN BHD -(MITI)

To ensure our products meet Malaysia's highest standards for safety, reliability, and performance, guaranteeing compliance with national and international regulations.

✓ Certified (2022)

Performance

IEC/EN 60252-1

Star Capacitor Performance

IEC/EN 60831-1/2: 2014

Delta Capacitor Performance

Safety

IEC/EN 61921

Enclosure & System Safety For Custom Made Panel

IEC/EN 60529

Resistance to dust, liquids, and accidental contact.

IEC/EN 60670-1: 2015

Enclosure & System Safety For Ready Made Panel

Reactor included to limit the short-circuit current, stabilised voltage level by reducing the possibility of voltage spike or transients besides to limit the higher harmonic in the power grids

Based on power assessment report before solar installation to mitigate premises's power issues

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MINISTRY OF SCIENCE, TECHNOLOGY AND INNOVATION (MOSTI)

Acknowledged for our efforts in research, development, and technological innovation, aligning with Malaysia's vision for advancing science and green technology.

STI202400582

✓ Certified (2024)

A reference point for the implementation of Government procurement programmes involving goods and services resulting from local R&D.

Products & services with MYSTI logo & certificate are prioritized in government procurement process. Additional merit point to the government's tender

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MALAYSIA GREEN TECHNOLOGY AND CLIMATE CHANGE CORPORATION (MGTC) - (NRES)

Recognized as part of Malaysia's official green certification program, our products contribute to energy efficiency and carbon neutrality, supporting a more sustainable future.

MYHP00013/23-E001

✓ Certified (2022)

Environmental Claim :
Conserve the use of energy , reduce GHG emission

For **on-site consultations**, kindly arrange with:

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RELIABLE SOLUTIONS TO INCREASE FACILITY'S EFFICIENCY

CUTS RELIANCE ON COSTLY GRID SUPPLY

More equipment can run on solar, cutting reliance on expensive grid supply.

TO ADD MORE SOLAR

PFCS promotes higher facility efficiency by optimising distribution systems, smoothen active solar power flow

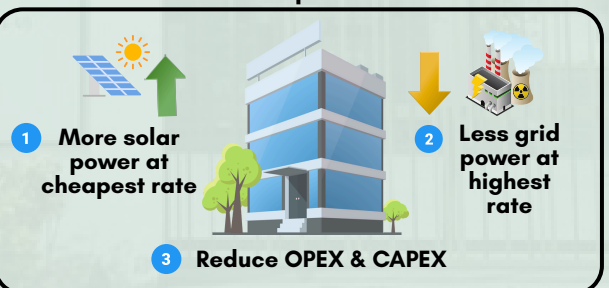
STABLE & SUSTAINABLE POWER LINE

Reliable technology ensures stable active power delivery, reducing the risk of higher power factor surcharges as tariffs rise.

THREEFOLD SAVINGS IMPACT

HIGH EFFICIENCY BUILDING

Innovative mechanism in dealing with reactive power compensation towards net zero carbon



WWW.BINATENAGA.COM.MY

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