



**PQE
POWER SYSTEM
SDN BHD**

PQE Energy Optimization System

- **Fast Response**
- **Transient Free**
- **Voltage Optimization**
- **Reduction of System Losses**
- **Current Optimization**
- **Reduction of Harmonics**
- **Reduction of Flicker**

System Specifications

Design	: Steel sheet cabinet
Enclosure Finish	: Epoxy powder coated, in grey (RAL7032) Internal part; rustic proof aluzinc
Rated voltage	: 415V/50Hz and 690V/50Hz Other voltage and frequency are available upon request
Ambient Temperature	: 40°C max short time 35°C average in 24 hours 20°C annual average -10°C low limit
Protection Class	: IP41

Advantages

- Transient free capacitor group switching, using electronic switching elements
- Prevents damage to sensitive electronic equipment
- Harmonics filtration
- Accurate power factor control, even in the presence of harmonics
- Dramatically increases the life expectancy of switching element and capacitors
- Considerably lower temperature rise the capacitors and inductors due to unique scan feature
- Built-in three phase network analyzer, measuring all network parameters including harmonics
- Unique self testing and comprehensive reporting feature
- real time reactive power compensation
- Prevents voltage drop and flickering
- Used for real time applications, such as spot welding, arc furnace and motor start-up
- Enhances capacity of local generator systems, such as diesel and windmill generators



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