



POLYLUX®
Technology & Quality

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POLYLUX' products are designed for the voltage conversion and electrical energy quality sectors. It is our aim to offer a wide range of products on those fields, giving our customers solutions to their requests. With more than **50 years of experience** we offer an astonish range of low voltage transformers from 25 VA up to 1000 KVA.

POLYLUX manufactures transformers addressed to general usage and for specific applications as hospitals, railways, swimming pools, renewable energy, marine, aeronautics and others. The innovative and wide offer of harmonic filters and compensators gives a unique and effective solution to the harmonics problems generated in office installations and industrials sites. **POLYLUX** manufactures stabilised and non-stabilised DC power supplies for all kind of applications. We are specialised in Cast Resin products, giving multiple technical advantages.

POLYLUX is aware that the implementation of energy saving solutions can only be effective in case of being economically profitable for the customer and end-user. All our products are made and verified according to international standards and strict parameters.

Innovation is our basis to continue being leaders in our market. Therefore, we are always working in the improvement of existing products and the development of new ones. Also, our experience allows us to respond in a flexible way to new challenges.



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POLYLUX®
Technology & Quality
WITH MORE THAN 50 YEARS EXPERIENCE



TRANSFORMERS



Control, isolation & safety - Single phase

Rating from 40 VA to 5000 VA
P SERIES

PB (output 12/24 V) (IP-20)
PC (output 24/48 V) (IP-20)
PD (output 115/230 V) (IP-20)



Rating from 40 VA to 1600 VA

PXR SERIES

PXR (IP-00)



Rating from 63 VA to 250 VA

PXD SERIES

PXD (IP-00)



Ultra-isolation - single phase

Rating from 40 VA to 4000 VA

PTU1P (1 electrostatic screen) (IP-20)
PTU3P (3 electrostatic screens) (IP-20)
PTU SERIES



Isolation - Single-phase

Rating from 3,15 kVA to 50 kVA

TK SERIES

TKX (IP-00)
TKW (IP-23)
TKZ (IP-54/65)



Rating from 2 kVA to 40 kVA

TKSIN SERIES

TK5INX (IP-00)
TK5INW (IP-23)
TK5INZ (IP-54/65)



For medical installations

Rating from 1000 VA to 10000 VA

TH SERIES

Standards IEC / EN 61558-2-15

THX (IP-00)
THW (IP-23)



Isolation - Three phase

Rating from 0,63 kVA to 1000 kVA

TT SERIES

TTX (IP-00)
TTW (IP-23)
TTZ (IP-54/65)



Step-up

Rating from 0,63 kVA to 1000 kVA

TTU SERIES

TTUX (IP-00)
TTUW (IP-23)
TTUZ (IP-54/65)



Step-down

Rating from 0,63 kVA to 1000 kVA

TTD SERIES

TTDX (IP-00)
TTDW (IP-23)
TTDZ (IP-54/65)



ECO

Rating from 10 kVA to 400 kVA

TTG SERIES

TTGX (IP-00)
TTGW (IP-23)
TTGZ (IP-54/65)



K-factor for harmonic distortion

Rating from 10 kVA to 500 kVA

TTFK SERIES

TTFKX / TTFK2X (IP-00)
TTFKW / TTFK2W (IP-23)
TTFKZ / TTFK2Z (IP-54/65)



AUTOTRANSFORMERS



Reversible - single phase

Rating from 100 VA to 12500 VA

PAU SERIES

PAU (IP-20)



Rating from 100 VA to 4000 VA

AUR SERIES

AUR (IP-20)



Reversible - three phase

Rating from 1 kVA to 1000 kVA

AUT SERIES

AUTX (IP-00)
AUTW (IP-23)
AUTZ (IP-54/65)



Isolation - Three phase

For solar inverters

Rating from 0,63 kVA to 1000 kVA

TTF SERIES

TTFX (IP-00)
TTFW (IP-23)
TTFZ (IP-54/65)



For medical installations

Rating from 1000 VA to 10000 VA

TTH SERIES

Standards IEC / EN 61558-2-15

TTHX (IP-00)
TTHW (IP-23)



Three phase to single phase

Rating from 1 kVA to 100 kVA

TTK SERIES

TTKX (IP-00)
TTKW (IP-23)
TTKZ (IP-54/65)



Lighting feed - Single-phase

For operating rooms' spotlights

Ratings 160, 315, 630 & 800 VA

TLQ SERIES

TLQ (IP-20)



For pool & garden

Ratings 100, 300 & 600 VA

PIP SERIES

PIP (IP-20)



LED for pool & garden

Ratings 30, 60 & 100 VA

PIL SERIES

PIL (IP-20)



Measuring - single phase

Rating from 2 VA to 300 VA

PTM SERIES

PTM (IP-20)



Measuring - three phase

Rating from 15 VA to 400 VA

TMTX SERIES

TMTX (IP-00)



Rating from 15 VA to 400 VA

TMTW SERIES

TMTW (IP-20)



Rating from 3 VA to 6 VA

TIB SERIES

TIB (IP-30)



Rating from 1,5 VA to 30 VA

TIN SERIES

TIN (IP-30)



Rating from 1 VA to 12 VA

TIP SERIES

TIP (IP-30)



REACTORS



Harmonic line filter - single phase

Current from 2,5 A to 125 A

RTL SERIES

RTL (IP-20)



Harmonic line filter - three phase

Current from 2,5 A to 1000 A

RTLX SERIES

RTLX (IP-00)



DETUNED REACTORS



Filtering reactor for capacitor banks - three phase

Capacitor rating from 5 kVAR to 100 kVAR

Current from 6,8 A to 136 A

Line voltage 400 V at 50 Hz

RTFX SERIES

RTFX (Capacitor 440 V) (IP-00)
RTFX5 (Capacitor 440 V) (IP-00)
RTF14X (Capacitor 460 V) (IP-00)



POWER SUPPLIES



Switching mode power supply - single phase

Output current from 1 A to 15 A (DC)

FCP SERIES

Output current from 2 A to 20 A (DC)

FCPB SERIES

FCP (output 24 V DC) (IP-20)
FCPB (output 12 V DC) (IP-20)



VFD output reactor - three phase

Current from 2,5 A to 630 A

RTOX SERIES

RTOX (IP-00)



dv/dt output filter - three phase

Current from 2,5 A to 125 A

FTOX SERIES

FTOX (IP-00)



COMPENSATORS



Harmonic compensators for office installations

CD SERIES

C10D, C20D, C22D,

C25D-0, C25D-180,

C30D (IP-23)

Harmonic compensators for industrial installations

CF SERIES

C10F, C20F (IP-23)



Switching mode power supply - three phase

Output current from 20 A and 40 A (DC)

FCPT SERIES

FCPT (output 24 V DC) (IP-20)



· CAST RESIN ·



TRANSFORMERS



Control, isolation & safety - single phase

Rating from 40 VA to 2500 VA

Q SERIES

QB (output 12/24 V) (IP-20)
QC (output 24/48 V) (IP-20)
QD (output 115/230 V) (IP-20)



Rating from 40 VA to 5000 VA

N SERIES

NB (output 12/24 V) (IP-20)
NC (output 24/48 V) (IP-20)
ND (output 115/230 V) (IP-20)



Ultra-isolation - single phase

Rating from 40 VA to 4000 VA

QTU SERIES

QTU1P (1 electrostatic screen) (IP-20)
QTU3P (3 electrostatic screens) (IP-20)



Isolation - single phase

Rating from 3,15 kVA to 50 kVA

TKE SERIES

TKE (IP-20)



Rating from 200 VA to 1600 VA

IP SERIES

IP (IP-66)



For medical installations

Rating from 1000 VA to 10000 VA

TH SERIES

TH (IP20)



Isolation - three phase

Rating from 0,4 kVA to 400 kVA

TTE SERIES

TTE (IP-20 ≤ 2,5 kVA,
IP-00 > 3,15 kVA)



For medical installations

Rating from 1 kVA to 10 kVA

TTH SERIES

TTH (IP20)



Lighting feed - Single-phase

For pool & garden

Ratings 100, 300 & 600 VA

PIQ SERIES

PIQ (IP-20)



Ratings 100, 300 & 600 VA

PIN SERIES

PIN (IP-20)



Ratings 100, 300 & 600 VA

PIPZ SERIES

PIPZ (IP-54)



LED for pool & garden

Ratings 30, 60 & 100 VA

QIL SERIES

QIL (IP-20)



Safety portable - single phase

Ratings from 200 VA to 1600 VA

TP SERIES

TPA (output 12 V) (IP-66)
TPB (output 24 V) (IP-66)
TPC (output 110 V) (IP-66)
TPD (output 230 V) (IP-66)



Measuring - single phase

Rating from 2 VA to 150 VA

QTM SERIES

QTM (IP-20)



Rating from 2 VA to 300 VA

TM SERIES

TM (IP-20)



Measuring - three phase

Rating from 15 VA to 400 VA

TMTE SERIES

TMTE (IP-20)



AUTOTRANSFORMERS



Reversible - single phase

Rating from 100 VA to 6300 VA

QAU SERIES

QAU (IP-20)



RECTIFIER TRANSFORMERS



Rectifier transformer without capacitor - single phase

Output current from 1,6 A (DC) to 63 A (DC)

TR SERIES

TRA (output 12 V DC) (IP-20)

TRB (output 24 V DC) (IP-20)

TRC (output 48 V DC) (IP-20)



Rectifier transformer - three phase

Output current from 10 A (DC) to 1000 A (DC)

TRT SERIES

TRTA (output 12 V DC) (IP-20)

TRTB (output 24 V DC) (IP-20)

TRTC (output 48 V DC) (IP-20)



Rectifier transformer with capacitor - single phase

Output current from 1,6