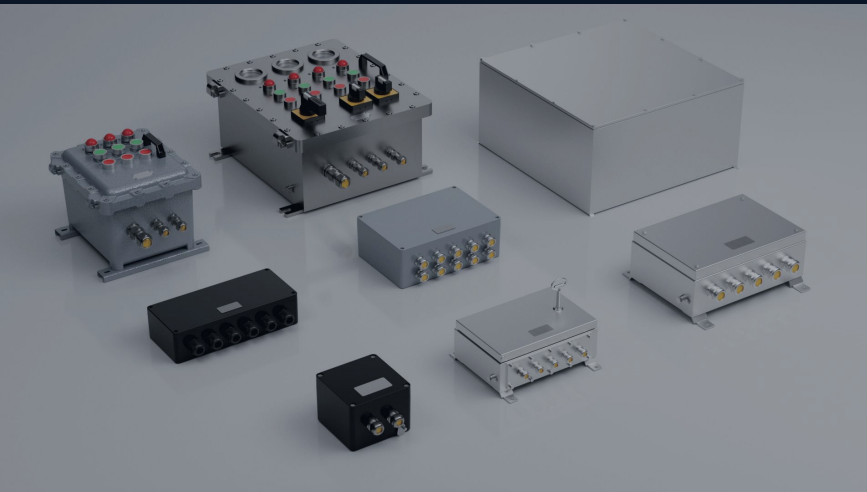


PRODUCT CATALOG 2026

Explosion- Proof Junction Boxes



CE · ATEX · IECEx Certified

Ex e / Ex d / Ex tb / Ex t

Aluminum · GRP · Stainless Steel

CE EN 60079 series compliant

ATEX II 2G / II 2D

IECEx Ex eb IIC Gb / Ex tb IIIC Db

IP RATING IP66 (IP67 / IP68 on request)



Xiamen · Fujian · China | younglytech.com

ABOUT US

Engineered for Zone 1 & Zone 2

Youngly Tech supplies empty enclosures and complete junction boxes to ATEX, IECEx & CE standards. Three material families. 60+ size configurations. Terminal blocks pre-fitted.

Three Materials

Cast aluminum ADC12, glass-fiber reinforced polyester (GRP), or stainless 304/316/316L. Match your environment, not your competitor's stock.

Tested In-House

IP66 hydrostatic test on every unit. Salt-spray 500h on SS. Impact 7J / 10J per IEC 60079-0. Test reports with every batch.

Terminals Pre-Fit

Phoenix Contact, Weidmuller, or Wago — your choice. Pre-wired and continuity-tested before shipment.

CERTIFIED TO

CE

ATEX

IECEx

ISO 9001

ISO 14001

EN 60079

CCC

EAC (on request)

PRODUCT OVERVIEW

Three Materials. Two Protection Types.

Cast aluminum for cost-effective industrial use. GRP for corrosive environments.
Stainless for marine and food-grade applications.

“Our enclosure has held up to 500h salt-spray and survived a 7J impact test. Most buyers never need that rating. We provide it anyway.”

— Youngly Tech Quality Lab

YT5010E

Cast Aluminum (ADC12)

DIMENSIONS

29 sizes from 64×58×36 to 810×400×210

PROTECTION

IP66 · -55°C to +130°C · CE/ATEX/IECEX/CCC

BEST FOR

Indoor / outdoor, oil & gas, light chemical

YT5020E

Glass-Fiber Polyester (GRP)

DIMENSIONS

21 sizes from 100×100×60 to 1200×1200×400

PROTECTION

IP66 · -55°C to +130°C · CE/ATEX/IECEX/CCC

BEST FOR

Offshore, chemical, water/wastewater

YT5030E

Stainless Steel 304/316/316L

DIMENSIONS

17 sizes from 64×58×36 to 600×310×110

PROTECTION

IP66 · -55°C to +130°C · CE/ATEX/IECEX/CCC

BEST FOR

Marine, food, pharma, low-temp LNG

YT5110F

Three-Proof Box (Non-Ex)

DIMENSIONS

Same 29 sizes + IP66 + 7J impact

PROTECTION

IP66 · -55°C to +130°C · WF1 corrosion

BEST FOR

Waterproof / Dustproof / Anti-corrosion — IP-only zones

OEM/ODM & Pre-Assembled Delivery

Box + terminals + cable glands + nameplate — fully wired and continuity-tested before shipment.
Your logo on enclosure, custom packaging, batch traceability. MOQ 50 pcs on assembly service.

EX e INCREASED SAFETY · EMPTY ENCLOSURES

Specification Matrix

Series	Material	Sizes	IP	Temp Range	Ex-Mark	Cert
YT5010E	Cast Aluminum ADC12	29 (01#–29#)	IP66	-55 to +130°C	Ex eb IIC Gb	CE/ATEX/IECEX/CCC
YT5020E	GRP (Glass-fiber Polyester)	21 (01#–21#)	IP66	-55 to +130°C	Ex eb IIC Gb	CE/ATEX/IECEX/CCC
YT5030E	SS 304 / 316 / 316L	17 (01#–17#)	IP66	-55 to +130°C	Ex eb IIC Gb	CE/ATEX/IECEX/CCC
YT5110E	Cast Aluminum (Complete Box)		IP66	T6/T5/T4	Ex eb IIC T6 Gb	CE/ATEX/IECEX/CCC
YT5120E	GRP (Complete Box)	21	IP66	T6/T5/T4	Ex eb IIC T6 Gb	CE/ATEX/IECEX/CCC
YT5130E	SS 304/316/316L (Complete Box)		IP66	T6/T5/T4	Ex eb IIC T6 Gb	CE/ATEX/IECEX/CCC

Note: Complete Box (YT51xxE) versions include pre-fitted terminal blocks, earth bar, and cable gland entries per customer spec. Sealing: silicone

EX d FLAMEPROOF · ENCLOSURES

For Direct Gas/Vapor Exposure

Why Ex d from Youngly

- ✓ Cast aluminum ADC12 or SS 316L
- ✓ Flanged flameproof joints
- ✓ Internal switchgear ready
- ✓ Operating temp -60°C to +200°C
- ✓ Window viewing option
- ✓ Pre-drilled gland entries
- ✓ Custom sizes on request

Ex d Range at a Glance

EX-MARK

Ex db IIC Gb / Ex eb IIC Gb / Ex tb IIIC Db

STANDARDS

IEC 60079-0, -1, -7, -31; EN 60079 series

MATERIAL

Cast Aluminum ADC12 / SS 316L

SEAL

Silicone (-60°C to +200°C)

VOLUME

0.5L to 280L

CABLE ENTRIES

M16 to M90, NPT 1/2" to 3", pre-drilled

IP RATING

IP66 / IP67 on request

CERT

CE, ATEX, IECEx, CCC, EAC (on request)

REFERENCE

Standard Sizes (YT5010E Series)

Cast aluminum enclosures. 29 standard sizes. Other series available on request.

Sizes 1–15 (Small)

SIZE	L x W x H (mm)	WT (kg)
01	64×58×36	0.15
02	98×64×36	0.21
03	150×64×36	0.30
04	115×65×55	0.32
05	82×77×57	0.28
06	127×80×57	0.40
07	175×80×57	0.50
08	250×80×57	0.64
09	108×100×60	0.35
10	140×100×80	0.42
11	100×100×80	0.49
12	160×100×80	0.67
13	200×125×80	0.92
14	125×100×80	0.79
15	360×220×80	1.93

Sizes 16–29 (Large)

SIZE	L x W x H (mm)	WT (kg)
16	220×160×90	1.11
17	260×160×90	1.87
18	360×160×90	1.39
19	220×160×110	1.95
20	560×160×90	2.52
21	280×180×100	2.92
22	180×180×101	2.49
23	230×200×110	1.83
24	280×230×110	2.39
25	330×230×111	2.73
26	400×310×110	3.32
27	403×313×110	3.78
28	600×310×110	5.77
29	810×400×210	8.82
	(Custom)	—

APPLICATIONS

Where Youngly Boxes Are Installed

6 sectors. 30+ countries. 1M+ units shipped to hazardous areas.

OIL & GAS

Upstream, midstream, downstream. Junction boxes for instrumentation, lighting, motor control. SS 316L for offshore salt-spray.

PETROCHEMICAL

Ethylene crackers, ammonia plants, polymer facilities. GRP enclosures for acid splash zones.

PHARMACEUTICAL

API manufacturing, classified rooms. SS 316L with hygienic finish. CIP-compatible.

FOOD & GRAIN

Flour mills, sugar processing, animal feed. ATEX Zone 21/22 dust. Easy-clean enclosures.

MARINE & OFFSHORE

Engine rooms, deck lighting, pump rooms. DNV-GL. SS 316L standard.

MINING

Coal processing, conveyor drives, ventilation fans. Group I Ma/Mb levels on request.

GET IN TOUCH

Request a Quote. Talk to Engineering.

Same-day quotation on standard SKUs. Sample units available for evaluation.
Custom sizes, OEM branding, and pre-fitted terminals on request.

EXPORT SALES — JAMES

EMAIL

james@younglytech.com

WHATSAPP

+86 157 9266 5908

RESPONSE

Within 4 working hours

MOQ

50 pcs (assembly) · No MOQ on stock SKUs

LEAD TIME

7–15 days (stock) / 30 days (custom / OEM / assembly)

INCOTERMS

EXW / FOB Xiamen / CIF / DAP

PAYMENT

T/T 30/70 · L/C at sight · OA for partners

Need Samples?

Order 1-2 pcs of any standard box for eval.

We pay shipping on 5+ pc orders.

OEM / ASSEMBLY

Your logo
Pre-wired
Continuity tested
Ready to install

WHAT TO INCLUDE IN YOUR RFQ

Material (Al / GRP / SS) · Size code (01# – 29#) · Zone (1, 2, 21, 22) · Ex or non-Ex
Empty box or pre-assembled (with terminals + glands) · OEM/ODM? Y/N · Quantity + destination