

CASK

POWER SYSTEMS

A DIVISION OF CASK ELECTRIC

PRODUCT CATALOGUE

Panel Boards & Switchgear

Low-voltage switchboards · Meter panels · Site
distribution · Control & kiosk panels · MV switchgear ·
Transformer kiosks



2026 EDITION

IEC 61439 · IEC 62271

www.caskelectric.com

ABOUT CASK POWER SYSTEMS

Engineering the backbone of modern infrastructure

CASK Power Systems is the panel board, switchgear and power-equipment division of CASK Electric. With more than 15 years of manufacturing experience, we design and build low-voltage switchboards, meter and site distribution panels, control and kiosk enclosures, medium-voltage switchgear, transformer kiosks and transformers for infrastructure, industrial, commercial and energy projects.

15+ years

MANUFACTURING
EXPERIENCE

40+

COUNTRIES SERVED

ISO 9001

2015 QUALITY SYSTEM

IEC 61439

LV ASSEMBLIES

MISSION

Deliver advanced manufacturing solutions across panel boards and electro-mechanical infrastructure, committed to quality, engineering expertise and operational excellence.

VISION

To be a trusted industrial manufacturing partner, delivering innovative, reliable, high-performance electrical solutions worldwide.

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PRODUCT RANGE OVERVIEW

From the main incomer to the last socket

One manufacturer for the complete distribution chain, with every enclosure built in-house from sheet steel.



CPS-PB031 · 032 · 041 · 071 · 072

Wall-mounted distribution panels

Surface, recessed and outdoor enclosures, IP 2X – IP54, IK08

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CPS-PB011 · 012 · 021 · 022 · 023 · 024

Floor-standing modular switchboards

Painted, galvanised and stainless frames, 1 820 – 2 300 mm high

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CPS-MP081 · MP082

Meter panels

6 – 12 way three-phase metering, with or without transfer

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CPS-PB051 · 052 · 061 · 062 · SE087

Site & outdoor distribution

Outdoor floor-standing and site panels, IP65 outdoor platform

Page 14 →



CPS-OC085 · OC086 · CPS-CP8000

Control panels & operator consoles

Piano and desk consoles, control and HMI kiosks

Page 20 →



CPS-MS

MV modular switchgear

Secondary distribution up to 36 kV

Page 24 →



CPS-MV9000

MV transformer kiosks

Compact substations, steel enclosures

Page 25 →



CPS-TR

Transformers

See the CASK transformer catalogue

Separate catalogue

CONSTRUCTION & QUALITY

Built to standard, tested for performance

Every panel is engineered for its installation environment, with the insulation level and the electrical and mechanical short-circuit strength required by IEC 61439 and the applicable national standards.

ENCLOSURE CONSTRUCTION

Floor-standing frame	Bolted modular frame. Series 1: 1.5 mm DKP steel, powder-coated, die-cast zinc-alloy corners. Series 2: 2 mm galvanised steel, unpainted, cast aluminium corners
Doors (floor-standing)	2 mm DKP steel, four concealed hinges, four-point locking, door earthing point and document pocket
Wall-mounted body	Welded 1 – 1.5 mm DKP steel
Outdoor covers	1.2 mm galvanised steel, powder-coated
Stainless steel	AISI 304 or AISI 316L
Gaskets	Foam-in-place polyurethane
Section coupling	Bolted at eight points, gasket between sections
Base	Base frame on plastic feet (indoor) · welded steel base (outdoor)
Surface finish	Electrostatic powder coat, RAL 7035; other RAL colours on request
Degree of protection	IP 2X – IP54 wall-mounted · IP65 outdoor modular
Impact protection	IK08 (wall-mounted)

BUSBARS & WIRING

Busbar material	Electrolytic copper (Cu-ETP), tinned on request
Busbar supports	Two systems: up to 1 600 A and above 1 600 A
Busbar position	Top, bottom or rear, horizontal and vertical
Neutral	50 % or 100 % of phase rating
Protective earth (PE)	Full-length PE bar, bonded to all sections
Wiring	Flame-retardant, halogen-free on request, ferrule-marked and colour-coded
Cable management	Enclosed ducts, cable ties and labelled terminals

QUALITY

- ▶ ISO 9001:2015 quality management system
- ▶ Design verification to IEC 61439-1 / -2
- ▶ Routine verification of every assembly before dispatch
- ▶ Test reports and drawings issued for customer approval

Engineering

Single-line diagram, layout and busbar sizing for each project

Sheet-metal shop

CNC punching, bending and welding in-house

Powder coating

Pre-treatment and electrostatic coating line

Assembly & test

Wiring, busbar fitting and routine verification

ENCLOSURE PLATFORMS & ITEM NUMBERS

Seven series, one ordering logic

Every CASK panel is built on one of seven enclosure series. Each standard size has its own item number, so the series, the interior and the size can be read straight from the code.

Main numbers	Series & type	Construction	Standard sizes (mm)
CPS-PB011 · 012	Series 1 · indoor floor-standing, painted modular frame	1.5 mm DKP frame, zinc-alloy corners, 2 mm doors, powder-coated RAL 7035	H 1 820 – 2 300 · W 400 – 1 200 · D 400 – 1 000
CPS-PB021 · 022	Series 2 · indoor floor-standing, galvanised modular frame	2 mm galvanised frame (unpainted), aluminium corners, 2 mm powder-coated doors	H 1 820 – 2 300 · W 400 – 1 200 · D 400 – 1 000
CPS-PB023 · 024	Series 2 · stainless steel	AISI 304 or 316L stainless steel on the galvanised-frame platform	H 1 820 – 2 300 · W 400 – 1 200 · D 400 – 1 000
CPS-PB051 · 052	Series 5 · outdoor floor-standing, modular	Painted frame, 1.2 mm galvanised covers, rain canopy, filtered ventilation, welded base · IP65	H 1 820 – 2 300 · W 400 – 900 · D 400 – 1 000
CPS-PB061 · 062	Series 6 · outdoor floor-standing, welded frame	Welded profile frame, rain canopy, filtered ventilation, welded base	H 1 820 – 2 300 · W 400 – 900 · D 400 – 1 000
CPS-PB031 · 032	Series 3 · wall-mounted, surface	Welded 1 – 1.5 mm DKP body · IP 2X – IP54 · IK08	W 400 – 800 · H 480 – 1 440 · D 220 / 260 / 300
CPS-PB041	Series 4 · wall-mounted, recessed (flush)	Welded 1 – 1.5 mm DKP body · IP 2X – IP54 · IK08	W 450 – 850 · H 450 – 1 410 · D 120 / 150 / 180
CPS-PB071 · 072	Series 7 · wall-mounted, outdoor surface	Welded body for outdoor installation	W 400 – 800 · H 480 – 1 440 · D 220 / 260 / 300

How to read a CASK item number

CPS

PB

011

045

CPS
CASK Power Systems

PB
Product group: PB panel enclosures

011
Main number: series and interior (table above; middle digit = series, last digit = 1 dead-front, 2 mounting plate)

045
Size number within the main number

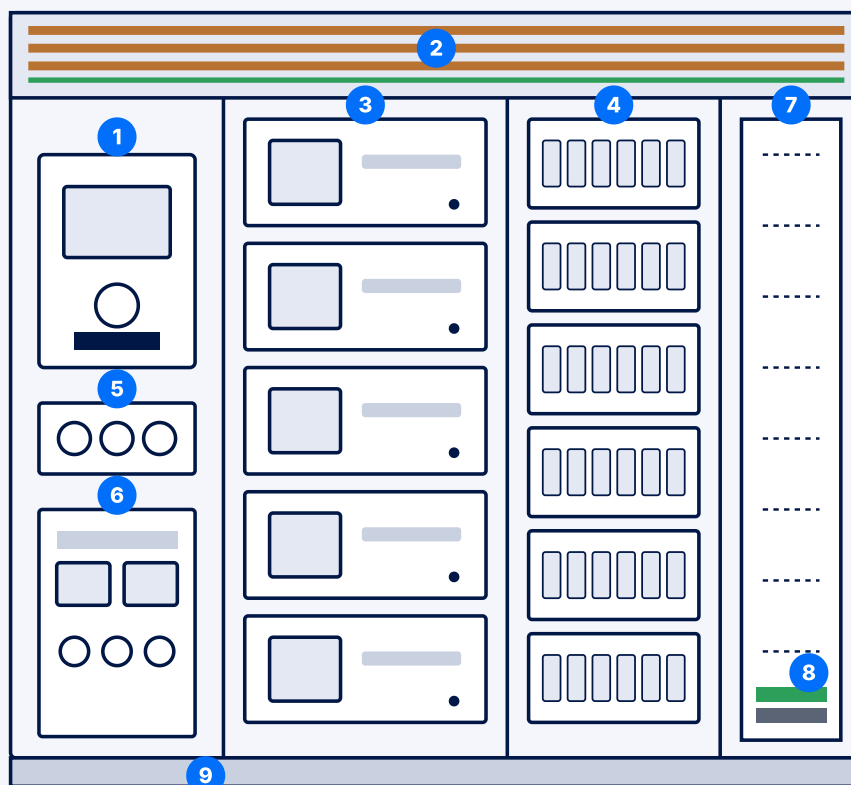
Brother families share the size number: CPS-PB011-045, CPS-PB012-045, CPS-PB021-045 and CPS-PB022-045 are all 600 × 2 060 × 400 mm, in painted or galvanised frame, dead-front or mounting plate.

Other product groups: MP meter panels · OC operator consoles · SE site enclosures · KT internal kits · DR front doors · TR transformers. The same CPS-group-main-size format is used throughout the CASK system.

INSIDE A CASK SWITCHBOARD

Anatomy of a main distribution board

A typical floor-standing main LV switchboard (MDB), shown with the doors removed. Each section has its own function, so the board is safe to operate, easy to maintain and ready to extend.



- 1 Incomer section:** air circuit breaker (ACB) or MCCB main switch, with protection relay and door interlock
- 2 Main busbar system:** copper L1, L2, L3 and N, sized for the rated current and short-circuit level
- 3 Protective earth (PE) bar:** full length, bonded to every section
- 4 Feeder section:** MCCB outgoing feeders in separate compartments (Form 3b / 4b)
- 5 Metering:** multifunction power meter, CTs and indicator lamps
- 6 Surge protection:** Type 1+2 SPD on the incoming supply
- 7 Final-circuit section:** MCB / RCBO groups on DIN rails for small loads
- 8 Cable compartment:** terminals, N and PE bars, with cable supports and gland plates
- 9 Plinth:** 100 mm steel base with lifting and fixing points

TYPICAL FUNCTIONAL UNITS

ACB incomers and bus couplers · MCCB and fuse-switch feeders · motor starters (DOL, star-delta, soft starter, VFD) · power-factor correction (PFC) · ATS / generator changeover · metering and monitoring

IEC 61439-2

Forms of internal separation

Internal separation protects people from live parts and stops a fault in one functional unit from spreading to the others. Choose the form to match how much continuity of service and maintenance access you need.

Form 1



No internal separation.

Form 2a



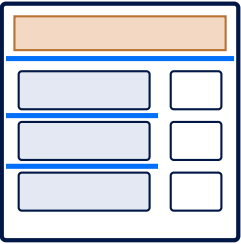
Busbars separated from functional units; terminals not separated from busbars.

Form 2b



Busbars separated from functional units; terminals separated from busbars.

Form 3a



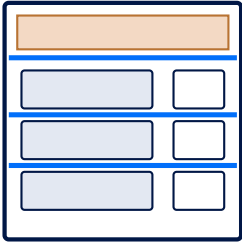
Busbars and each functional unit separated; terminals not separated from busbars.

Form 3b



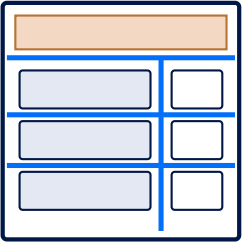
As 3a, with terminals separated from busbars.

Form 4a



Busbars and each functional unit separated; terminals in the same compartment as their unit.

Form 4b



As 4a, with terminals in separate compartments from their unit.

Key

 Busbars

 Functional units

 Terminals for external conductors

 Separation (barrier or partition)

FORM 1 – 2

Sub-distribution and final distribution boards where the whole board can be switched off for maintenance.

FORM 3A – 3B

Main distribution boards in commercial buildings: one feeder can be worked on while the others stay live.

FORM 4A – 4B

Critical sites such as hospitals, data centres and industry: the highest protection and continuity of service.

The form of separation is confirmed for each project. Separation is made with metal or insulating barriers and partitions, to IP2X or IPXXB as a minimum.

LOW-VOLTAGE PANEL BOARDS · SERIES 3 / 4 / 7

Wall-mounted distribution panels

Compact wall-mounted panels for sub-distribution, lighting, small power, control and metering in commercial, industrial, infrastructure and residential buildings. They save space and give easy front access for operation and maintenance.



- TS EN 62208
- IEC 61439-3
- IP 2X – IP54
- IK08

TECHNICAL DATA

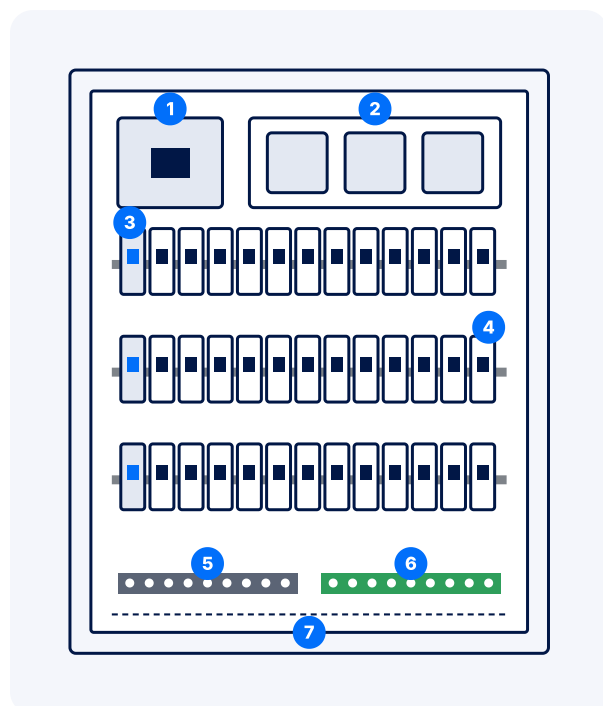
Main numbers	CPS-PB031 / 032 surface · CPS-PB041 recessed · CPS-PB071 / 072 outdoor
Enclosure standard	TS EN 62208 (IEC 62208)
Assembly standard	IEC 61439-3 (DBO) / IEC 61439-2
Rated operational voltage	On request
Rated current	On request
Degree of protection	IP 2X – IP54
Impact protection	IK08
Body and door	Welded 1 – 1.5 mm DKP steel
Finish	RAL 7035 electrostatic powder coat
Surface sizes	W 400 – 800 × H 480 – 1 440 mm, depth 220 / 260 / 300 mm
Recessed sizes	W 450 – 850 × H 450 – 1 410 mm, depth 120 / 150 / 180 mm

KEY FEATURES

- ▶ Foam-in-place polyurethane door gasket
- ▶ Two or three hinge points by size; stiffened doors above 1 000 mm
- ▶ Locks: standard, T-handle, combination or sealable
- ▶ Brush or gasket cable-entry plates, top and bottom
- ▶ Four wall brackets with fixings supplied with each panel
- ▶ Door earthing point and document pocket

INSIDE A SERIES 3 WALL PANEL

Typical sub-distribution board



- 1 Main switch:** isolator or MCCB, padlockable
- 2 Metering & indication:** energy meter, phase lamps or multimeter
- 3 Main RCD / RCBO** for earth-leakage protection
- 4 Outgoing MCBs** on DIN rails, with blanking strips and circuit labels
- 5 Earth (PE) bar**
- 6 Neutral (N) bar**
- 7 Cable entry** with gland plate

INTERIOR OPTIONS

Dead-front (PB031, PB041, PB071): modular covers with cut-outs for MCB, MCCB and contactor sets.

Mounting plate (PB032, PB072): full galvanised plate for free component layout.

FRONT DOORS

Solid steel, glass or plexiglass window, with the lock type of your choice.

CPS-PB031 / 032 / 041 / 071 / 072 ORDERING DATA

Standard sizes and item numbers

Item number = main number + size number. Surface: **CPS-PB031** dead-front, **CPS-PB032** mounting plate · outdoor: **CPS-PB071 / 072** (same size numbers) · recessed: **CPS-PB041**. Example: **CPS-PB032-029** = surface panel, mounting plate, 600 × 960 × 260 mm.

W mm	H mm	Usable H mm	No. at D 220 / 260 / 300	Recessed W mm	H mm	No. at D 120 / 150 / 180
400	480	400	001 · 002 · 003	450	450	001 · 002 · 003
500	480	400	004 · 005 · 006	550	450	004 · 005 · 006
400	640	560	007 · 008 · 009	450	610	007 · 008 · 009
500	640	560	010 · 011 · 012	550	610	010 · 011 · 012
500	720	640	013 · 014 · 015	550	690	013 · 014 · 015
500	800	720	016 · 017 · 018	550	770	016 · 017 · 018
600	800	720	019 · 020 · 021	650	770	019 · 020 · 021
500	880	800	022 · 023 · 024	550	850	022 · 023 · 024
600	880	800	025 · 026 · 027	650	850	025 · 026 · 027
600	960	880	028 · 029 · 030	650	930	028 · 029 · 030
700	960	880	031 · 032 · 033	750	930	031 · 032 · 033
800	960	880	034 · 035 · 036	850	930	034 · 035 · 036
600	1 040	960	037 · 038 · 039	650	1 010	037 · 038 · 039
700	1 040	960	040 · 041 · 042	750	1 010	040 · 041 · 042
800	1 040	960	043 · 044 · 045	850	1 010	043 · 044 · 045
600	1 200	1 120	046 · 047 · 048	650	1 170	046 · 047 · 048
700	1 200	1 120	049 · 050 · 051	750	1 170	049 · 050 · 051
800	1 200	1 120	052 · 053 · 054	850	1 170	052 · 053 · 054
600	1 280	1 200	055 · 056 · 057	650	1 250	055 · 056 · 057
700	1 280	1 200	058 · 059 · 060	750	1 250	058 · 059 · 060
800	1 280	1 200	061 · 062 · 063	850	1 250	061 · 062 · 063
600	1 360	1 280	064 · 065 · 066	650	1 330	064 · 065 · 066
700	1 360	1 280	067 · 068 · 069	750	1 330	067 · 068 · 069
800	1 360	1 280	070 · 071 · 072	850	1 330	070 · 071 · 072
600	1 440	1 360	073 · 074 · 075	650	1 410	073 · 074 · 075
700	1 440	1 360	076 · 077 · 078	750	1 410	076 · 077 · 078
800	1 440	1 360	079 · 080 · 081	850	1 410	079 · 080 · 081

Recessed panels need a wall recess at least as deep as the enclosure. Other sizes are made to order.

LOW-VOLTAGE PANEL BOARDS · SERIES 1 / 2

Floor-standing modular switchboards

High-capacity switchboards for main and sub-main distribution, motor control and power-factor correction in industrial plants, commercial buildings, energy facilities and pumping stations. The modular frame lets sections be arranged and extended to suit the project.



Internal view: incomer, busbars and feeders



- IEC 61439-1/-2
- TSE EN 61439-2
- Type-tested

ELECTRICAL RATINGS

Standard	IEC 61439-1 / -2, TSE EN 61439-2
Rated operational voltage Ue	On request
Rated insulation voltage Ui	On request
Rated impulse withstand Uimp	On request
Rated frequency	50 / 60 Hz
Main busbar rated current	On request
Rated short-time withstand Icw	up to 120 kA 1 s / 85 kA 3 s*
Forms of separation	On request
Degree of protection	On request
Internal arc (IEC TR 61641)	On request

CONSTRUCTION

Main numbers	CPS-PB011 / 012 painted · CPS-PB021 / 022 galvanised · CPS-PB023 / 024 stainless
Frame	Bolted modular frame, sections coupled at eight points
Doors	2 mm steel, four concealed hinges, four-point locking
Heights	1 820 / 2 060 / 2 140 / 2 220 / 2 300 mm
Widths × depths	400 – 1 200 mm × 400 – 1 000 mm
Busbar supports	Up to 1 600 A and above 1 600 A systems
Finish	RAL 7035 powder coat

* Short-circuit ratings as confirmed by independent type-test certification (KEMA / DEKRA). The certificate for the configuration offered is supplied with the offer.

FLOOR-STANDING ORDERING DATA

Standard sizes and item numbers

Item number = main number + size number. Main numbers: **PB011 / 012** painted, **PB021 / 022** galvanised, **PB023 / 024** stainless, **PB051 / 052** outdoor modular, **PB061 / 062** outdoor welded (last digit 1 = dead-front, 2 = mounting plate).
Example: **CPS-PB022-126** = galvanised frame, mounting plate, 1 000 × 2 140 × 1 000 mm.

HEIGHTS

Height H mm	Usable inside height mm	Size numbers
1 820	1 600	001 – 030
2 060	1 840	031 – 081
2 140	1 920	082 – 132
2 220	2 000	133 – 183
2 300	2 080	184 – 234

SERIES LIMITS

- ▶ Series 1 and 2 (incl. stainless): all sizes shown
- ▶ Series 5 and 6 (outdoor): widths 400 – 900 mm
- ▶ Widths 1 000 – 1 200 mm have double doors and need a depth of 800 mm or more
- ▶ Height 1 820 mm: widths up to 900 mm, depths up to 800 mm

SIZE NUMBERS FOR H = 2 060 MM

For 2 140 / 2 220 / 2 300 mm add 51 / 102 / 153 (e.g. 600 × 400: 045 → 096 → 147 → 198)

W \ D	400	500	600	700	800	900	1000
400	031	032	033	034	035	036	037
500	038	039	040	041	042	043	044
600	045	046	047	048	049	050	051
700	052	053	054	055	056	057	058
800	059	060	061	062	063	064	065
900	066	067	068	069	070	071	072
1000	–	–	–	–	073	074	075
1100	–	–	–	–	076	077	078
1200	–	–	–	–	079	080	081

SIZE NUMBERS FOR H = 1 820 MM

W \ D	400	500	600	700	800
400	001	002	003	004	005
500	006	007	008	009	010
600	011	012	013	014	015
700	016	017	018	019	020
800	021	022	023	024	025
900	026	027	028	029	030

FRONT DOORS

Single door up to 900 mm width, double door from 1 000 mm. Solid steel (B), glass (C) or plexiglass (P) window. Left- or right-hand opening. Front-door item numbers: CPS-DR001 – DR012, by panel series and door type (see the price list).

CPS-LV-F CONFIGURATIONS

One frame, many functions

Main distribution board (MDB)

ACB incomers, bus couplers, MCCB feeders and metering. Forms 3b – 4b for continuity of service.

Sub-main distribution (SMDB)

MCCB incomer with MCCB / MCB outgoing feeders for floors, zones and plant rooms.

Motor control centre (MCC)

DOL, star-delta, soft-starter and VFD starters, with local / remote control and PLC interface.

Power-factor correction (PFC)

Stepped capacitor banks with detuning reactors, controller and contactors.

ATS / generator changeover

Automatic transfer between mains and generator, with interlocked switching devices.

Pump & HVAC control

Duty / standby pump control, level and pressure inputs, BMS interface.



Modular switchboard line-up



Modular frame



Ventilated floor-standing enclosure

TYPICAL COMPONENTS

Circuit breakers, contactors, relays and meters from leading international manufacturers, to the customer's specification and approved brand list.

OUTDOOR FLOOR-STANDING · SERIES 5 / 6

Outdoor floor-standing enclosures

Floor-standing enclosures for outdoor switchboards, pumping stations, solar plants, ports and industrial yards. They are built to keep out rain and dust and to stand up to corrosion.



Outdoor enclosure with canopy



Floor-standing outdoor cabinets

- IP65 (Series 5)
- Rain canopy
- Filtered ventilation
- Welded base

TECHNICAL DATA

Main numbers	CPS-PB051 / 052 modular frame · CPS-PB061 / 062 welded frame
Degree of protection	IP65 (Series 5)
Frame	Series 5: 1.5 mm DKP, powder-coated, sealed corners · Series 6: welded profile
Side and rear covers	1.2 mm galvanised steel, powder-coated
Base	Welded steel base
Locking	Four-point, left- or right-hand opening
Heights	1 820 – 2 300 mm
Widths × depths	400 – 900 mm × 400 – 1 000 mm

FEATURES

- ▶ Rain canopy as standard; wall-side canopy on request
- ▶ Ventilation filters keep dust and dirt out
- ▶ Reversible lifting eyes for crane handling
- ▶ Side covers sealed with polyurethane gaskets
- ▶ Uses the same internal assembly kits as indoor panels
- ▶ Series 6: no perforated side plates, slide rails run the full depth

INTERNAL ASSEMBLY SYSTEM

Modular kits for every function

Pre-engineered kits mount on the slide rails of every CASK floor-standing platform.

The equipment, covers and busbar supports for each function come as one set, which speeds up assembly and keeps every panel the same.

Function	Main number Series 1 · 2	Cover / plate heights mm
ACB set	KT001 · 002	480 / 560 / 640
MCCB set	KT005 · 006	240 / 320 / 400 / 480
MCB set	KT003 · 004	160 / 240
Contactor set	KT007 · 008	240 / 320 / 400
Terminal section set	KT009 · 010	240 / 320
Partial mounting plate set	KT011 · 012	160 / 240 / 320 / 480
Busbar section set, up to 1 600 A	KT013 · 014	240 / 320
Busbar section set, above 1 600 A	KT013 · 014	240 / 320
Toroidal current transformer set	KT015 · 016	160 / 240 / 320
Meter + CT / MCCB + toroid set	KT017 · 018	560 / 640
NH fuse-base panel	KT019 · 020	290 – 790
Load-break switch panel	KT021 · 022	290 – 790
MCCB panel	KT025 · 026	240 – 480
Contactor panel	KT031 · 032	240 – 480
Capacitor panel	KT027 · 028	310 – 810
Reactor panel	KT029 · 030	310 – 810
ACB panel	KT033 · 034	285 – 785
Busbar holder, up to 1 600 A	KT035 · 036	290
Busbar holder, above 1 600 A	KT037 · 038	220 / 390 / 490
MCB rail	KT023 · 024	350 – 850
Slide rail	KT041 · 042	166 – 666
Cable holders (Z and L type)	KT043 · 044	350 – 890
Blank cover	KT047 · 048	160 – 640
MCB cover	KT045 · 046	160 / 240

KIT ITEM NUMBERS

Kits are numbered **CPS-KT** + main number + size number. The table shows the main numbers for Series 1 and Series 2. Outdoor welded Series 6 kits are **KT061 – KT084**; wall-panel kits are **KT049 – KT060**. Each kit size has its own number in the CASK price list.

SIZES

Kits are available for panel widths 400 – 900 mm. Covers follow an 80 mm height grid, from 160 to 640 mm.

BUSBAR SYSTEMS

Two busbar support systems: one for main busbars up to 1 600 A, one for higher currents.



Kits installed in a Series 1 panel

METERING SOLUTIONS · CPS-MP081 / 082

Meter panels

Meter panels for accurate energy measurement and organised distribution in residential, commercial and mixed-use buildings. Available for single-phase, three-phase, digital, CT-operated and multi-consumer metering.



TECHNICAL DATA

Main numbers	CPS-MP081 / 082 floor-standing · Series 3 wall-mounted
Meter capacity	4 – 24 ways
Metering	Single-phase, three-phase, CT-operated
Meter types	Digital (smart / prepaid) and analogue
Material	DKP / pre-galvanised steel
Finish	RAL 7035 powder coat
Mounting	Wall-mounted, flush or floor-standing
Door	Hinged, single-point lock
Meter windows	Individually labelled, sealable
Installation	Indoor and outdoor versions

INSIDE THE PANEL

- ▶ Main incoming isolator or MCCB
- ▶ Sealable meter compartments, accessible to the utility only
- ▶ Outgoing MCB per consumer, lockable
- ▶ Pre-galvanised internal mounting plates
- ▶ Common N and PE bars
- ▶ Terminal blocks for CT and voltage circuits (CT metering)

CPS-MP081 / MP082 ORDERING DATA

Floor-standing meter panels

Three-phase multi-meter panels on the Series 1 frame. Each has a meter section, an outgoing MCB section and a busbar compartment. The CPS-MP082 versions add contactor transfer for a second supply.

Item number	Description	Width mm	Height mm	Depth mm
CPS-MP081-001	6-way three-phase meter panel, outgoing MCBs and busbar section	600	2 140	400
CPS-MP081-002	6-way three-phase meter panel, outgoing MCBs and busbar section	600	2 140	500
CPS-MP081-003	6-way three-phase meter panel, outgoing MCBs and busbar section	600	2 140	600
CPS-MP081-004	9-way three-phase meter panel, outgoing MCBs and busbar section	700	2 140	400
CPS-MP081-005	9-way three-phase meter panel, outgoing MCBs and busbar section	700	2 140	500
CPS-MP081-006	9-way three-phase meter panel, outgoing MCBs and busbar section	700	2 140	600
CPS-MP081-007	12-way three-phase meter panel, outgoing MCBs and busbar section	900	2 140	400
CPS-MP081-008	12-way three-phase meter panel, outgoing MCBs and busbar section	900	2 140	500
CPS-MP081-009	12-way three-phase meter panel, outgoing MCBs and busbar section	900	2 140	600
CPS-MP082-001	6-way three-phase meter panel, contactor transfer	700	2 140	400
CPS-MP082-002	6-way three-phase meter panel, contactor transfer	700	2 140	500
CPS-MP082-003	6-way three-phase meter panel, contactor transfer	700	2 140	600
CPS-MP082-004	8-way three-phase meter panel, contactor transfer	900	2 140	400
CPS-MP082-005	8-way three-phase meter panel, contactor transfer	900	2 140	500
CPS-MP082-006	8-way three-phase meter panel, contactor transfer	900	2 140	600

WALL-MOUNTED METER PANELS

For smaller installations, wall-mounted meter panels for 4 – 24 meters are built on the Series 3 wall enclosures. Single-phase, three-phase and CT metering.

UTILITY REQUIREMENTS

Meter windows, sealing points and the compartment layout can be adapted to the local electricity utility's specification.

SITE & FIELD DISTRIBUTION · CPS-CP7000 – 7500

Site distribution panels

Robust outdoor panels for temporary and permanent power on construction sites, industrial facilities, ports and infrastructure projects. They give a safe supply for tools, lighting and site machinery.



Site panel with IEC 60309 sockets and RCD protection

- IEC 61439-4 (ACS)
- IEC 60309 sockets
- IP44 – IP55
- Outdoor

TECHNICAL DATA

Model series	CPS-CP7000 – 7500
Assembly standard	IEC 61439-4 (assemblies for construction sites)
Degree of protection	IP44 – IP55
Material	DKP / galvanised steel
Mounting	Free-standing pedestal or frame
Roof	Weatherproof canopy
Width range	400 – 1 200 mm
Rated current	On request
Custom sizing	Available to order

INSIDE THE PANEL

- ▶ Lockable main isolator
- ▶ RCD protection, 30 mA for socket circuits
- ▶ MCB per outgoing circuit
- ▶ IEC 60309 industrial sockets (16 – 125 A, 1P+N+E / 3P+N+E) and Schuko sockets
- ▶ Cable glands and strain relief for flexible cables
- ▶ Earthing terminal for the site earth electrode



Open-frame site panel

SERIES OVERVIEW

CPS-CP7000 - 7500 series


CPS-CP7000

CPS-CP7100

CPS-CP7400

CPS-CP7500

Series CPS-CP7300 (compact panel) is also available. Contact us for drawings.

BUILT ON CASK OUTDOOR PLATFORMS

Site panels use the Series 5 and 6 outdoor floor-standing enclosures or the Series 7 outdoor wall enclosures, so sizes and protection follow those platforms.

TYPICAL CONFIGURATIONS

Main distribution for site cabins and tower cranes, socket outlet panels for tools and lighting, and metering panels for temporary supplies.

AUTOMATION & CONTROL · CPS-CP8000 – 8900

Control & kiosk panels

Custom control panels, operator desks and kiosks for industrial process control, pumping stations, building automation and public-facing terminals. They give reliable operation, clean wiring and easy monitoring.



Motor control panel

TYPICAL EQUIPMENT INSIDE

- ▶ PLC and remote I/O, with communication (Modbus, Profinet, Ethernet/IP)
- ▶ HMI touch panel and pilot devices: push-buttons, selector switches, indicator lamps
- ▶ Variable-speed drives and soft starters
- ▶ Contactors, overload relays and motor-protection breakers
- ▶ 24 V DC power supplies, UPS and surge protection
- ▶ Terminal blocks, relays and interface modules, ferrule-marked
- ▶ Cooling fans with filters, thermostats, anti-condensation heaters

TECHNICAL DATA

Standard	IEC 61439-1 / -2, IEC 60204-1 (machinery)
Degree of protection	On request
Material	DKP steel, stainless steel on request
Finish	RAL 7035 or customer colour
Documentation	Schematics, I/O lists, wiring diagrams, test reports



Pedestal control kiosk

SERIES OVERVIEW

CPS-CP8000 - 8900 series

**CPS-CP8000**

Control desks with HMI and push-button panels

**CPS-CP8200**

Desk-top cabinets with sloped instrument panel

**CPS-CP8300**

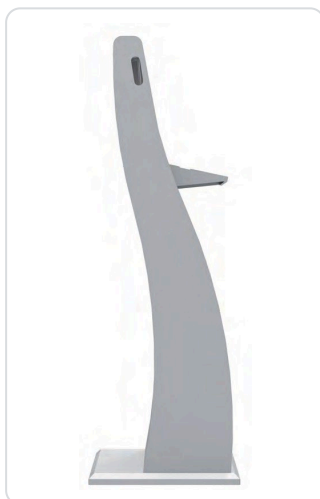
Operator pedestals with HMI and keyboard

**CPS-CP8500**

Sloped console desks

**CPS-CP8700**

Pedestal control stations

**CPS-CP8800**

Curved free-standing kiosks

**CPS-CP8900**

Screen kiosks with keyboard shelf

**Custom**

Wall and floor control enclosures

Designed to your process

Send us your I/O list, P&ID or functional description. We engineer the enclosure, layout, wiring and documentation, and test the panel functionally before delivery.

OPERATOR CONSOLES · CPS-OC085 / OC086

Piano and desk consoles

Standard consoles come with one door and one mounting plate. Special layouts are available on request.



Console with HMI and push-button panel



Sloped desk console

CPS-OC085 PIANO TYPE: HORIZONTAL AND VERTICAL UPPER PANELS

Item number	W mm	H mm	Mounting plate H mm	D mm	Upper door, usable W – D mm	Vertical door, usable W – D mm
CPS-OC085-001	600	1 100	600	500	500 - 345	500 - 345
CPS-OC085-002	800	1 100	600	500	700 - 345	700 - 345
CPS-OC085-003	1 000	1 100	600	500	900 - 345	900 - 345
CPS-OC085-004	1 200	1 100	600	500	1100 - 345	1100 - 345
CPS-OC085-005	600	1 300	800	500	500 - 345	500 - 345
CPS-OC085-006	800	1 300	800	500	700 - 345	700 - 345
CPS-OC085-007	1 000	1 300	800	500	900 - 345	900 - 345
CPS-OC085-008	1 200	1 300	800	500	1100 - 345	1100 - 345
CPS-OC085-009	600	1 100	600	600	500 - 445	500 - 445
CPS-OC085-010	800	1 100	600	600	700 - 445	700 - 445
CPS-OC085-011	1 000	1 100	600	600	900 - 445	900 - 445
CPS-OC085-012	1 200	1 100	600	600	1100 - 445	1100 - 445
CPS-OC085-013	600	1 300	800	600	500 - 445	500 - 445
CPS-OC085-014	800	1 300	800	600	700 - 445	700 - 445
CPS-OC085-015	1 000	1 300	800	600	900 - 445	900 - 445
CPS-OC085-016	1 200	1 300	800	600	1100 - 445	1100 - 445
CPS-OC085-017	600	1 100	600	800	500 - 645	500 - 645
CPS-OC085-018	800	1 100	600	800	700 - 645	700 - 645
CPS-OC085-019	1 000	1 100	600	800	900 - 645	900 - 645
CPS-OC085-020	1 200	1 100	600	800	1100 - 645	1100 - 645
CPS-OC085-021	600	1 300	800	800	500 - 645	500 - 645
CPS-OC085-022	800	1 300	800	800	700 - 645	700 - 645
CPS-OC085-023	1 000	1 300	800	800	900 - 645	900 - 645
CPS-OC085-024	1 200	1 300	800	800	1100 - 645	1100 - 645

OPERATOR CONSOLES · CPS-OC086

Desk consoles

A sloped upper panel for HMIs, instruments and push-buttons, with a lockable lower cabinet for the control equipment.

Item number	W mm	H mm	Mounting plate H mm	D mm	Upper door, usable W – D mm
CPS-OC086-001	600	1 100	600	500	500 - 410
CPS-OC086-002	800	1 100	600	500	700 - 410
CPS-OC086-003	1 000	1 100	600	500	900 - 410
CPS-OC086-004	1 200	1 100	600	500	1100 - 410
CPS-OC086-005	600	1 300	800	500	500 - 410
CPS-OC086-006	800	1 300	800	500	700 - 410
CPS-OC086-007	1 000	1 300	800	500	900 - 410
CPS-OC086-008	1 200	1 300	800	500	1100 - 410
CPS-OC086-009	600	1 100	600	600	500 - 510
CPS-OC086-010	800	1 100	600	600	700 - 510
CPS-OC086-011	1 000	1 100	600	600	900 - 510
CPS-OC086-012	1 200	1 100	600	600	1100 - 510
CPS-OC086-013	600	1 300	800	600	500 - 510
CPS-OC086-014	800	1 300	800	600	700 - 510
CPS-OC086-015	1 000	1 300	800	600	900 - 510
CPS-OC086-016	1 200	1 300	800	600	1100 - 510
CPS-OC086-017	600	1 100	600	800	500 - 710
CPS-OC086-018	800	1 100	600	800	700 - 710
CPS-OC086-019	1 000	1 100	600	800	900 - 710
CPS-OC086-020	1 200	1 100	600	800	1100 - 710
CPS-OC086-021	600	1 300	800	800	500 - 710
CPS-OC086-022	800	1 300	800	800	700 - 710
CPS-OC086-023	1 000	1 300	800	800	900 - 710
CPS-OC086-024	1 200	1 300	800	800	1100 - 710

ITEM NUMBER

CPS-OC086-014 = desk console, 800 mm wide, 1 300 mm high, 600 mm deep.

OPTIONS

Glass or plexiglass upper door, cut-outs for HMI and pilot devices, stainless steel versions, and the CASK colour of your choice.

MEDIUM VOLTAGE · CPS-MS

MV modular switchgear



Compact, factory-assembled modular switchgear for secondary distribution networks up to 36 kV: transformer substations, industrial plants, infrastructure and commercial buildings, and compact kiosks.

FUNCTIONAL UNITS

Cable incoming / outgoing
Load-break switch with earthing switch

Transformer protection
Switch-fuse combination or circuit breaker

Circuit-breaker feeder
Vacuum circuit breaker with protection relay

Metering
VTs and CTs for billing metering

Bus riser / coupler
Busbar connection between sections

Control
Motorised operation, RTU / SCADA ready

RATINGS

Model series	CPS-MS
Standard	IEC 62271-200, IEC 62271-1
Rated voltage	12 / 17.5 / 24 / 36 kV
Rated current, busbar	On request
Short-time withstand current	On request
Internal arc classification	On request
Insulation	On request

PREFABRICATED SUBSTATIONS · CPS-MV SERIES

MV transformer kiosks

Pre-engineered steel enclosures that house the MV switchgear, the distribution transformer and the LV board in separate compartments. They are delivered ready to connect.



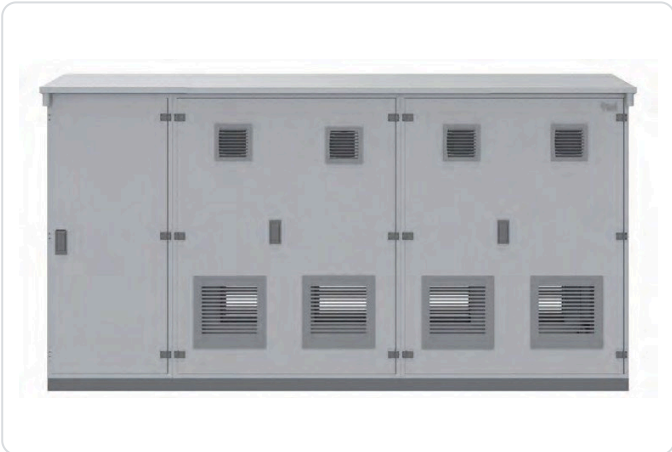
CPS-MV9000
Pole-type kiosk with overhead line entry



CPS-MV9500
Compact kiosk with roof-mounted line entry



CPS-MV10000
Walk-in compact substation, gabled roof



CPS-MV10500
Non-walk-in compact substation, flat roof

TYPICAL CONFIGURATION

- ▶ MV compartment: CPS-MS switchgear or ring main unit, up to 36 kV
- ▶ Transformer compartment: CASK hermetic oil or cast-resin (CPS-TR), up to 2 500 kVA
- ▶ LV compartment: Series 1 or 2 switchboard with incomer, feeders and metering
- ▶ Oil-retention tray, ventilation louvres, internal lighting and earthing system

DESIGN DATA

Standard	IEC 62271 - 202
Rated voltage	up to 36 kV
Transformer	up to 2 500 kVA
Enclosure	Galvanised, powder-coated steel
Temperature-rise class	On request
Internal arc	On request

TESTING & DOCUMENTATION

Verified before it leaves

LV assemblies are verified to IEC 61439-1. Design verification proves the design; routine verification is carried out on every assembly we build.

ROUTINE VERIFICATION: EVERY ASSEMBLY

- ▶ Degree of protection of the enclosure
- ▶ Clearances and creepage distances
- ▶ Protection against electric shock and continuity of protective circuits
- ▶ Incorporation of built-in components
- ▶ Internal electrical circuits and connections (tightening torque)
- ▶ Terminals for external conductors
- ▶ Mechanical operation of devices and interlocks
- ▶ Dielectric properties (power-frequency test)
- ▶ Wiring, operational performance and function

DESIGN VERIFICATION (TYPE-TESTED)

- ▶ Strength of materials and parts
- ▶ Degree of protection (IP)
- ▶ Clearances and creepage distances
- ▶ Protective circuit effectiveness
- ▶ Temperature-rise limits
- ▶ Dielectric properties
- ▶ Short-circuit withstand strength
- ▶ Electromagnetic compatibility
- ▶ Mechanical operation

Drawings

Single-line diagram, general arrangement, wiring diagrams

Test reports

Routine verification report for each assembly

Certificates

Type-test certificates (KEMA / DEKRA), ISO 9001

O&M manual

Operation, maintenance and spare-parts list

Witness testing by the customer or a third-party inspector can be arranged.

COMPLIANCE

Applicable standards

CASK assemblies are designed and verified to the following standards, or to the national and utility specifications named in the enquiry.

IEC 61439-1	LV switchgear and controlgear assemblies: general rules
IEC 61439-2	Power switchgear and controlgear assemblies (PSC)
IEC 61439-3	Distribution boards for ordinary persons (DBO)
IEC 61439-4	Assemblies for construction sites (ACS)
TSE EN 61439-2	Turkish adoption of IEC 61439-2
IEC 62208	Empty enclosures for LV assemblies (TS EN 62208)
IEC TR 61641	Testing under internal -arc conditions (LV)
IEC 60529	Degrees of protection (IP code)
IEC 62262	Degrees of protection against impact (IK code)
IEC 60204-1	Electrical equipment of machines
IEC 60309	Plugs and socket-outlets for industrial purposes
IEC 60947 series	LV switchgear and controlgear devices
IEC 62271-1	HV switchgear: common specifications
IEC 62271-200	AC metal-enclosed switchgear 1 – 52 kV
IEC 62271-202	HV/LV prefabricated substations
ISO 9001:2015	Quality management systems

REQUEST A QUOTATION

Enquiry data sheet

Fill in and send to cps@caskelectric.com, together with the single-line diagram if you have one.

Project / application

Panel type

☐ Wall ☐ Floor-standing ☐ Meter ☐ Site ☐ Control ☐ MV ☐ Kiosk

Quantity

Rated voltage / frequency

V · ☐ 50 Hz ☐ 60 Hz

Rated current (incomer / busbar)

A

Short-circuit level I_{cw}

kA for ___ s

Form of separation

☐ 1 ☐ 2b ☐ 3b ☐ 4b

Degree of protection

IP

Installation

☐ Indoor ☐ Outdoor Ambient ___ °C

Incoming supply

☐ Cable ☐ Busduct · ☐ Top ☐ Bottom

Outgoing feeders

Quantity and ratings (attach single-line diagram)

Metering / monitoring

Preferred component brands

Dimension limits

W × H × D mm

Colour

RAL

Applicable specification

IEC / utility / consultant spec.

Required delivery

Contact

Name · company · e-mail · phone



Engineered panels. Reliable power.

For enquiries, technical submissions and project requirements, contact our engineering team.

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