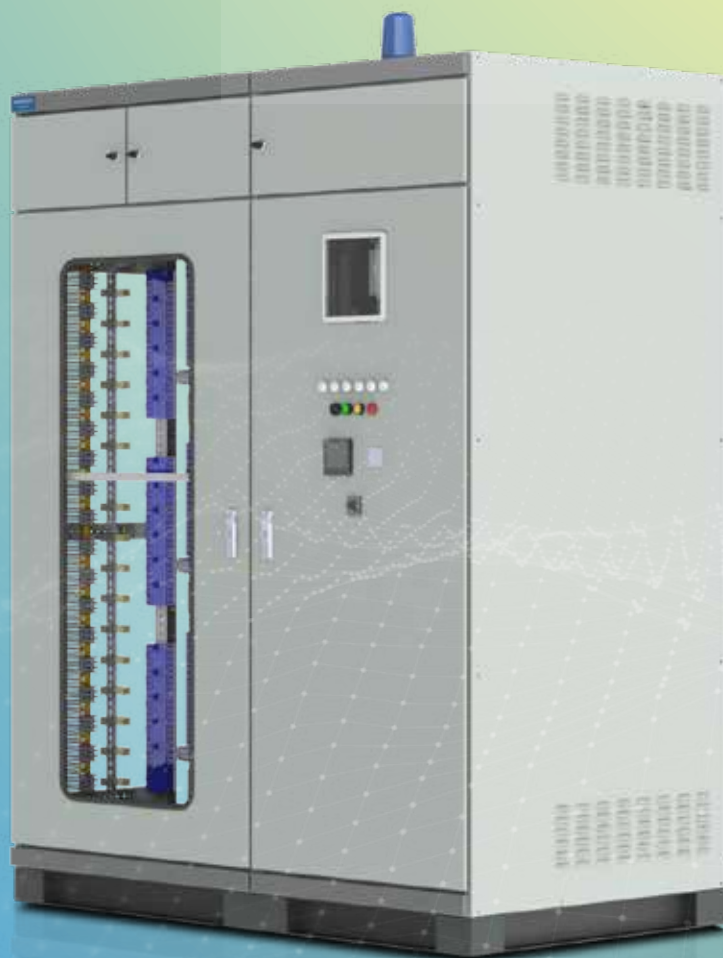


SUNLIGHT

A CHINT COMPANY

COMPACT, POWERFUL & EFFICIENT



COMPACT POWER DISTRIBUTION UNIT
PDU | SERIES FORTI

www.SunlightGroup.com

ABOUT SUNLIGHT

Empowering the world with energy for more than 50 years

Sunlight, first established in 1970 as an electrical wiring company, grew in strength and diversified into LV switchgear manufacturing in 1976. Today, it serves many global markets with regional manufacturing plants in Singapore, Vietnam, and Malaysia. Sunlight provides standardized and custom-built low-voltage electrical equipment packages for power distribution and is now a company of CHINT Group.

KEY FEATURES

30% SPACE SAVING MORE EFFICIENT USE OF DC SPACE



Maximize Data Center Capacity

- 30% space-saving design versus equivalent class for more efficient utilization of data center space



Fully Customizable

- To suit any operational requirements



Hot-swappable System

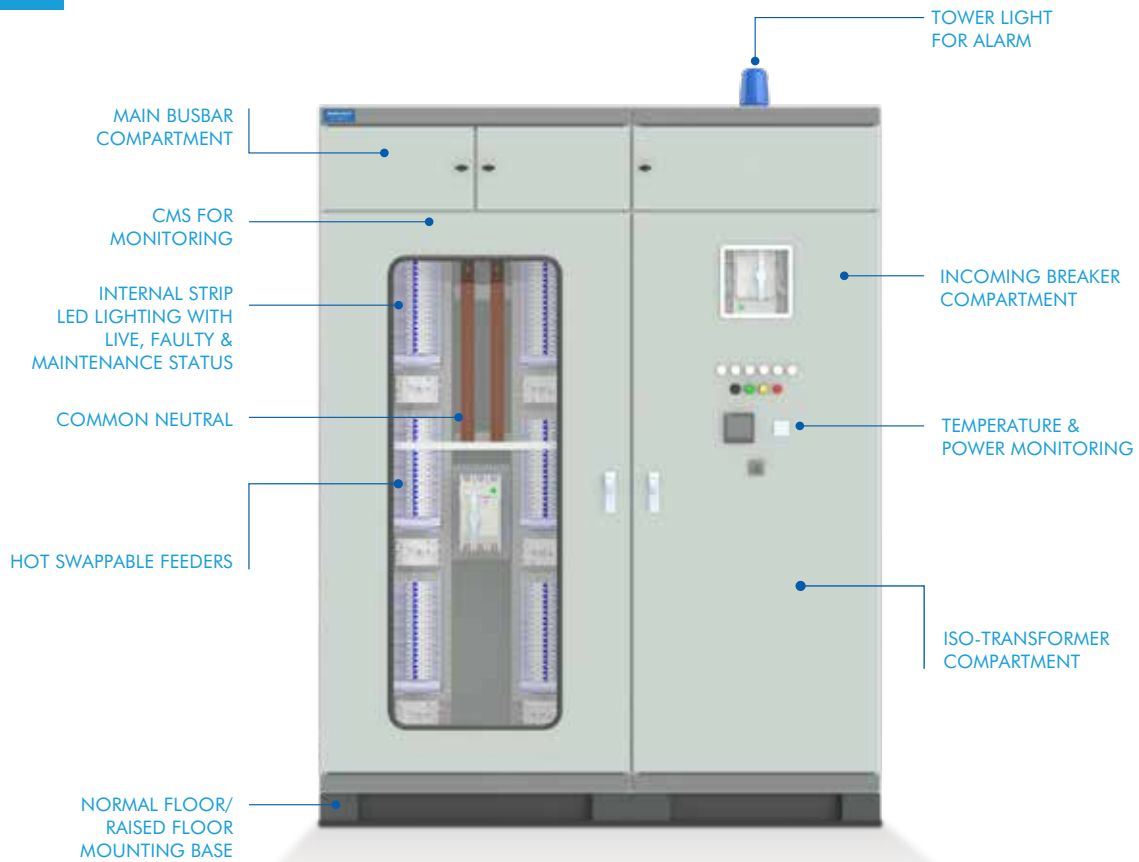
- Enabling safe replacement of devices on "live" switchboards



Smart C-PDU with Communication Protocol

- Reducing the need for hard cable laying
- Branch Circuit Power Monitoring
- High-level Remote I/O module communication
- Wireless transmission

KEY COMPONENTS



SUNLIGHT SUCCESS CASES



Data Center @ Singapore

The data center is a multi-tenant facility providing the highest level of uptime performance for users. It is a fast track project, 4 phases from 2020 to 2022 with cross-manufacturing collaboration between CHINT and Sunlight factories during the pandemic period – Wenzhou, Vietnam, Malaysia, and Singapore.

Achievements:

- Most compact PDU deployed for white space revenue yield
- State-of-the-art smart communication of switchboard to the Building Management System
- 24/7/365 Standby by our Service Team



Residential Project
@ Tengah



Waste Management Facility
@ Tuas



Chemical Plant
@ Jurong Island

TECHNICAL SPECIFICATIONS

Model		C-PDU Series Forti	
Standards		Low-voltage switchgear and controlgear assemblies	IEC 61439-1 and IEC 61439-2
Electrical	Voltage	Rated voltage (U_n)	415V 50/60Hz
		Rated insulation voltage (U_i)	1000v
		Rated impulse voltage (U_{imp})	8kV
	Current (Main Busbar)	Rated current (I_n)	Up to 800A
		Rated conditional short circuit current (I_{cc})	65kA
	Current (Distribution Busbar)	Rated current (I_n)	200A (End feed) 400A (Center feed)
Rated conditional short circuit current (I_{cc})		15kA	
Construction	Safety	Polution degree	3
		Degree of protection	IP4X
		Form of seperation	Form 2a
		Insulating material	Self-extinguishing, halogen free
Dimensions		H*W*D (mm)	2200 * 800 * 700 "Compact" column
Finishes	Framework	Zinc coated	
	Internal chamber	Zinc coated	
	Doors and cover	Electro galvanized sheet with powder coating	
Maintainability	Integration with isolation transformer	Easy access from front/rear	
	Cable access	Top/Bottom	
	Incomer	Plug-in MCCB	
	Outgoing feeder	Hot swappable devices	
	Power management	Open-core CT branch circuit monitoring and open protocol connectivity	

PIONEERING THE FUTURE

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