

Guide to Connection of Supply

(7th Edition)



FOREWORD

HK Electric is committed to providing our customers with excellent services and a reliable and quality electricity supply. Since the first edition of this “Guide to Connection of Supply” (GCS) in 1993, it has been one of the major references in the industry to help customers and electrical contractors to prepare the electrical installations for receiving electricity supply. As a result of the implementation of the Code of Practice for the Electricity (Wiring) Regulations 2020 edition, this seventh edition of GCS has incorporated the latest interface requirements and the relevant changes due to technical advancements and higher customer expectations. For better reading, extensive use of flow-charts and drawings are adopted in the new edition.

The new GCS has ten chapters. The first three chapters explain the procedures of application for electricity supply in details. Chapters 4, 5 and 6 disseminate the latest interface requirements between a customer’s installation and our system such as protection and metering requirements. Chapter 7 introduces our latest one-stop services and provide the guidelines for setting up EV charging facilities. Chapter 8 provides a comprehensive departure check lists with examples of acceptable arrangements for some common departures to assist customers and electrical contractors to inspect their installation and rectify the departures prior to HK Electric inspection. Chapter 9 provides reference materials on enhancing the supply reliability and power quality, while the last chapter introduces other customer services provided by HK Electric.

It is necessary to note that the GCS is for reference only and does not supersede any of the existing rules and regulations. The GCS may be updated as and when new methods or new installation techniques emerge. You can always find the latest softcopy of GCS on our website (www.hkelectric.com), or obtain a printed copy at our Customer Centre at 9/F., Electric Centre, 28 City Garden Road, North Point, Hong Kong.

If you have any suggestion on the GCS contents, please write to us or contact our Customer Installation Department so that we can further improve our services. Thank you for your continuous support.

Compiled by
Customer Installation Department,
Customer Services Division

GCS	1 st Edition : 03/1993
GCS	2 nd Edition: 12/1995
GCS	3 rd Edition: 08/1999
GCS	4 th Edition: 05/2005
GCS	5 th Edition: 05/2011
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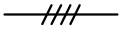
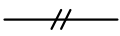
APPENDICES

Appendix A	: Standard Forms
Appendix B	: Useful Telephone Numbers
Appendix C	: HK Electric District Boundaries

ABBREVIATION

AFFL	:	Above Finish Floor Level	離地面高度
B/B	:	Busbar	匯流排
Cct	:	Circuit	電路
C.T.	:	Current Transformer	電流互感器
D.P.	:	Double-Pole	雙極
E/F	:	Earth Fault	接地故障
HK Electric	:	The Hongkong Electric Co. Ltd.	香港電燈有限公司(港燈)
I.D.	:	Inner Diameter	內直徑
MCB	:	Miniature Circuit Breaker	微型斷路器
MCCB	:	Moulded Case Circuit Breaker	模制外殼斷路器
Max.	:	Maximum	最多, 最高, 最大
Min.	:	Minimum	最少, 最低, 最小
M.S.	:	Mild Steel	軟鋼
O/C	:	Overcurrent	過流
O.D.	:	Outer Diameter	外直徑
RCD	:	Residual Current Device	電流式漏電斷路器
REC	:	Registered Electrical Contractor	註冊電業承辦商
REW	:	Registered Electrical Worker	註冊電業工程人員
RM	:	Room	房間
S/S	:	Substation	電力分站
SW	:	Switch	開關
Tx	:	Transformer	變壓器
TP	:	Triple-Pole	三極
TP&N	:	Triple-Pole & Neutral	三極及中性
V.T.	:	Voltage Transformer	電壓互感器
WCC	:	Work Completion Certificate	完工證明書
1-Ø	:	Single-Phase	單相
3-Ø	:	Three-Phase	三相
4-P	:	Four-Pole	四極

LEGEND

	HK Electric 11-kV/380-V or 22-kV/380-V transformer
	HK Electric service cutout
	Circuit breaker
	Isolator
	Switch
	HK Electric metering C.T.
	Metering C.T. cum link box/chamber complete with C.T.s
	HK Electric tariff meter
	4-pole changeover
	Contactor
	Generator
	3-phase 4-wire
	1-phase 2-wire
	Distribution board
	Fuse
	Link