

세계의 周波數 및 家庭用電壓 等の 現況

자료제공 : 본회사전과

(1) 세계각국의 주파수, 가정용전압, Plug Type 및 System 일람표

COUNTRY	FREQUENCY (Hz)	VOLTAGE 家庭用電壓(V)	PLUG <Type>	TELEVISION		STANDARD 電氣安全規格
				COLOUR	SYSTEM	

○NORTH AMERICA

BERMUDA	60	120/208, 120/240	A	NTSC	M	-
CANADA	60	120/240	A	NTSC	M	CSA
GREENLAND	60	110/120	-	PAL	B	-
U. S. A	60	120/208-240	A	NTSC	M	UL (ANSI)

○CENTRAL AMERICA AND CARIBBEAN

ANGUILLA	50	230	B, C	-	-	-
ANTIGUA	60	230	BF, C	-	-	-
BAHAMAS #1	60	120, 120/240	A	NTSC	M	-
BARBADOS #2	50	115/200, 115/230	A 注24 B, BF注24	NTSC	M	-
BELIZE #3	60	110/220	A, BF	-	M	-
CUBA	60	110/220	A, C, BF	NTSC	M	NC
COSTARICA	60	120	A 일반용	-	-	-
DOMINICA IS, #4	50	230	BF B, BF	-	-	-
DOMINICAN REP #5	60	110	A	NTSC	M	-
HAITI #6	60	115, 220, 230	A	NTSC	M	-
HONDURAS	60	110	A	NTSC	M	-
JAMAICA #7	50	110/220	A	NTSC	M	JS
MARTINIQUE	50	127	-	SECAM	K	-
MEXCO	60	120, 220, 127/220	A 注27	NTSC	M	DGM
MONTSERRAT	60	230	-	NTSC	M	-
NETHERLANDS ANTILLES	50/60	115, 120, 127, 220	A, B	NTSC	M	-
NICARAGUA	60	120/240	A	NTSC	M	-
PANAMA	60	120/240	A, BF注28	NTSC	M	-
PUERTORICO	60	120/240	A 注29	NTSC	M	-
ST. KITTS-NEVIS	60	230	C, BF	NTSC	M	-
ST. LUCIA #8	50	240	BF	NTSC	M	-
ST. VINCENT #9	50	230	BF	NTSC	M	-
TRINIDAD &	60	115/230	A, S	NTSC	M	TTS

○SOUTH AMERICA

ARGENTINA	50	220, 225	C, BF, S	PAL	N	IRAM
BOLIVIA	50	115/230	A, C	NTSC	M & N	DGNT
BRAZIL	60	127, 230	A, C; 注25	PAL	M	NB
CHILE	50	220	B, C	NTSC	M	NCH
COLOMBIA	60	120, 120/240	A	NTSC	M	ICONTEC
ECUADOR	60	110, 120, 127	A	NTSC	M	-
FRENCH GUIANA	50	220/380	C	SECAM	K	-
FALKLANA ISLANDS	50	230	C	-	-	-
PARAGUAY	50	220	A, C	PAL	N	ND
PERU	60	225	A, C	NTSC	M	NTN
SURINAME	50/60	127/220	C	NTSC	M	-
URUGUAY	50	220	C, BF	PAL	N	UNIT
VENEZUELA	60	120/208, 120/240	A	NTSC	M	COVENIN

○EUROPE

AUSTRIA	50	220, 220/380	C	PAL	B & C	OVE
BELGIUM	50	220, 127/220, 220/380	C 注10	PAL	B & H	CEBEC
BULGARIA	50	220, 220/380	C	SECAM	D & K	-
CZECHOSLOVAKIA	50	220, 220/380	C	SECAM	D & K	CSN
DENMARK	50	220, 220/380	C	PAL	B	DEMKO
FILAND	50	220	C	PAL	B & G	EI
FRAMCE	50	127, 127/220 220, 220/380	C	SECAM	L	UTE
GERMANY (FR)	50	220, 220/380	C	PAL	B & E	VDE VUV
GERMANY (DDR)	50	127, 127/220 220, 220/380	BF	SECAM	B & E	TGL
GIBRALTAR	50	220/415	BF 注11	PAL	B & G	-
GRREECE	50	220	C-3-7-9	SECAM	B & E	ELCT
HUNGARY	50	220, 220/380	C 注12	SECAM	D & K	MSZ
ICELAND #10	50	220, 220/380	C-3-7-9	PAL	B & G	-
IRELAND #11	50	220, 230	C-3-7-9	PAL	I	IS
ITALY	50	220, 127/220 220/380	C 注13	PAL	B & G	IMQ
LUXEMBOURG	50	127, 220, 120/208, 220/380	C	PAL & SESCM	B, L & G	-
MALTA #12	50	240	B, BF	PAL	B & H	(SC)
MONACO #13	50	127, 127/220 220, 220/380	C	PAL & SECAM	L & G	-
NETHERLANDS	50	220, 220/380	C-1-4-9; 注14	PAL	B & G	KEMA
NORWAY	50	230	C	PAL	B & G	NENKO
POLAND	50	220	C, B	SECAM	D & K	PN
ROMANIA	50	220	C 注15	PAL	D & K	STAS
PORTUGAL	50	220, 220/380	C, B	PAL	B & G	NP
SPAIN	50	127, 127/220 220, 220/380	A, C 注16	PAL	B & G	U, N, E

SWITZERLAND	50	220, 220/380	規格에 의한 注7	PAL	B & G	SEV
SWEDEN	50	220, 220/380	C	PAL	B & G	SEMIKO
UNITED KINGDOM	50	240	BF, B, C 注8	PAL	I	BS
USSR	50	127, 127/220 220, 220/380	A, C	SECAM	D & K	GOST
YOGOSLAVIA	50	220, 220/380	C 注19	PAL	B & H	JUS

○MIDDLE & NEAR EAST

BAHRAN	50/60	110, 230, 230/400	A, BF	PAL	B	-
CYPRUS	50	240	BF	PAL	B & G	(CS)
IRAN	50	220	BF, C	SECAM	B	ISIRI
IRAQ	50	220, 220/380	C, B, BF	SECAM	B	IOS
ISRAEL	50	230, 230/400	C, S	PAL	B & G	S, I
JORDAN	50	220, 220/380	B, BF, 注7	PAL	B & G	GSS
KUWAIT	50	240	C, B	PAL	B & G	KSS
LEBANON	50	110, 220	C	SECAM	B & G	LS
OMAN #14	50	240	B, BF	PAL	B & G	(OS)
QATAR #15	50	240	BF 注8	PAL	B & G	(KSS)
SAUDI ARABIA	50/60	127, 127/220	BF, A, C 注9	SECAM	B & G	SASO
SYRIAN	50	115, 220	C, B	SECAM	B	SNS
TURKEY	50	220	C	PAL	B	TS
UNITED ARAB EMIRATES	50	220, 230 240/415	B, BF	PAL	B & G	-
YEMEN (AR) #16	50	230	C, B	PAL	B	-

○AFRICA

ALGERIA	50	220, 127/220	A, C, BF	PAL	B	-
ANGOLA	50	220	B, C	PAL	I	-
BOTSWANA #17	50	220	B, C	PAL	I	-
CAMEROON 18#	50	220	C	PAL	B	-
CENTRAL AFRICAN	50	220/380	CB	-	-	-
CHAD #18	50	220	C	-	-	-
CONGO	50	220/380	-	SECAM	D	-
COTE D'IVOIRE	50	220/380	C, B	SECAM	K	-
DAHOMEY	50	220, 220/380	C, B	-	-	-
EGYPT (AR)	50	220, 220/380	B, BF	-	-	-
ETHIOPIA	50	220	C	PAL	B	ES
GABON	50	220/380	C, BF	SECAM	K	-
CAMBIA #19	50	230	C, BF	-	-	-
GHANA	50	250	C	PAL	B	GS
GUINEA	50	220/380	C	SECAM	K	-
KENYA	50	240	C, B	PAL	B & E	KS
LESOTHO #20	50	220	-	PAL	I	-
LIBERIA	60	120/240	A, B	PAL	B	-
LIBYAN (AJ)	50	127, 230	C	SECAM	B	LS
MADAGASCAR #21	50	110/220	C-7	SECAM	K	(NM)
MALAWI #22	50	230	BF	PAL	B & G	(MBS)

MALI #23	50	127, 220	C	SECAM	K	-
MAURITIUS #24	50	230	B, BFC-6 C-7	SECAM	B	-
MOROCCO	50	115/200, 127/220	C, 注20	SECAM	B	(SNIMA)
MOZAMBIQUE #25	50	220	C	PAL	B	-
NIGERIA	50	220, 230	B	PAL	B & G	NIS
NIGER #26	50	220	C, B	SECAM	K	-
RWANDA #27	50	220	C	SECAM	K	-
SENEGAL	50	127	C	SECAM	K	-
SIERRA LEONE #28	50	230	C, B	PAL	B	-
SOMALI (DR) #29	50	110, 220, 230	C, B, BF	-	-	-
SOUTH AFRICA	50	220, 220/380 250, 433, 230/400	C, B 注21	PAL	I	SABS
SUDAN #30	50	240	-	PAL	B	(SS)
SWAZILAND #31	50	230	B	PAL	B & G	-
TANZANIA #32	50	230/400	B, BF	PAL	B	-
TOGO #33	50	220	C	SECAM	K	-
TUNISIA #34	50	220, 220/380	BF, B, C 注22	SECAM	B & G	-
UGANDA	50	240	BF	PAL	B	-
ZAIRE #35	50	220	C	SECAM	K	-
ZAMBIA #36	50	230	B, BF	PAL	B	(ZS)
ZIMBABWE #37	50	230/240	BF	PAL	B	-

○ ASIA

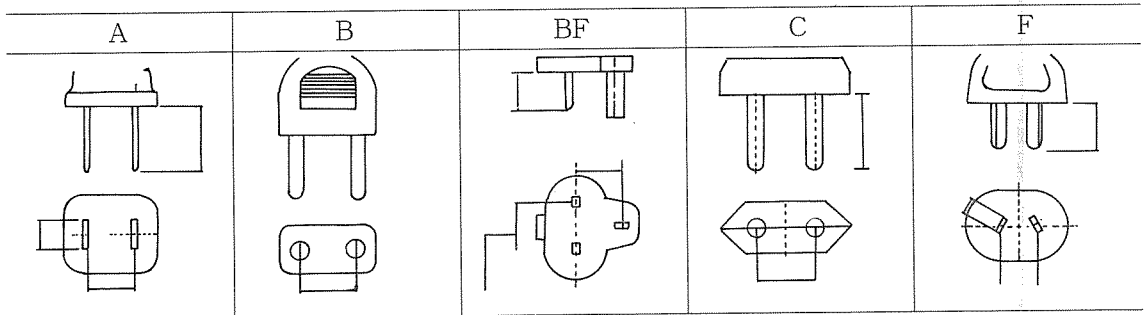
AFGHANISTAN	50	220, 220/380	C	PAL & SECAM		B*-
BANGLADESH	50	230, 230/400	C	PAL	B	BDSI
MYANMAR (#BURMA)	50	230	C	NTSC	M	-
CAMBODIA (KAMPUCHEA)	50	120, 120/208	C 注1	-	-	-
CHINA (PR)	50	220	A, B, C BF, S	PAL	D	GS (K, L, M)
HONG KONG	50	200, 200/346	BF 注2 B 注3	PAL	I	-
INDIA	50	230 230-250/440	C, B	PAL	B	IS
INDONESIA	50	127/220	C, B 注4	PAL	B	SII 규격 1376
JAPAN (东/西)	50/60	100, 100/200	A	NTSC	M	전기용품취체법
KOREA	60	100, 220, 110/220, 220/380	A, C, 注5	NTSC	M	전기용품 안전관리법
KOREA, NORTH	60	220	C	PAL	D	CSK
LAOS	50	220/380	C	PAL	M	-
MALAYSIA	50	240	BF, B	PAL	B	NS
NEPAL	50	220	C	PAL	B	-
PAKISTAN	50	230	C, B	PAL	B	PS
PHILIPPINES	60	110/220	A, C, S	NTSC	M	PS
SINGAPORE	50	230, 230/400	B, BF 注6	PAL	B	SS
SRI LANKA (Ceylon)	50	230	B	PAL	B	SLS

THAILAND	50	220	C, BF	PAL	B & M	TIS
VIETNAM	50	120, 220	C	NTST & SECAM	M	-

○OCEANIA

AUSTRALIA	50	240, 240/415	S 注30	PAL	B	AS(SAA)
FIJI #38	50	240, 240/415	S	-	-	-
GUAM Mariana Islands	60	110/220	A 注31	NIST	M	-
NEW GUINEA	50	240	S	PAL	B & G	(PNGS)
NEW ZEALAND	50	230, 230/400	S 注32	PAL	B	NZS
SAMOA (USA)	60	120	-	NTSC	M	-
SOLOMON IS, #39	50	240	-	-	-	-
TONGA #40	50	110, 240, 240/415	S	-	-	-
WESTERN SAMOA #41	50	230/410	-	-	-	-

(2) PLUG Type 및注에 대한 해설



대표적인 플러그의 형상과 칫수를 나타낸 것이며, A, B, C 타입에 각각 어스핀을 부착한 것이 있다. 또 B, C 타입의 핀에는 핀의 일부가 절연물에 의한 段을 붙인 것이 있으나, 크기는 같다.

注 1 프놈펜에는 220V가 주류를 이루고 있음.

注 2 BS 1363 2핀을 사용할 수 있음.

注 3 BS 546

注 4 127V 지역에서 115V를 사용할 수 있으므로 확인을 요함.

注 5 220V인 경우 C타입외에 측면접지극부 플러그를 사용.

注 6 2핀 플러그도 사용되고 있음.

注 7 주로 사용하는 타입은 B타입이나, BF타입으로移行中임.

注 8 주로 BF타입.

注 9 BF80%, A70%, C10%

注 10 CEE플러그를 채용함.

注 11 3PIN BA PLUG TO BS1363

注 12 CEE플러그를 채용함

注 13 CEE플러그를 채용함

注 14 CEE간행물에 합치 해야함.

注 15 플러그 규격 STAS2801-69

10A250V, STAS3184-69, 16A250V, 220V

注 16 현지의 실제전압은 新施設 220V, 舊施設127V

注 17 SEV1000, 1974

注 18 주로 BF타입

注 19 10/16A 250V, N, E 3.544

10/16A 250V, N, E 3.551

注 20 현지의 실제전압은 110V, 120V

注 21 低壓配電 220/380V가 일반적으로 사용되나, 도시에 따라 다른 전압을 사용하는 곳도 있음.

注 22 전압은 127V에서 220V로 변경중

注 23 주로 A플러그 사용

注 25 최근에는 A플러그도 사용되고 있음.

注 26 현지의 실제전압은 110V

注 27 현지의 실제전압은 110, 120V

注 28 현지의 실제전압은 110, 120V

注 29 현지의 실제전압은 110V

注 30 플러그 규격 AS3112

注 31 현지의 실제전압은 110/220V

注 31 NZS147, NZI198