



HYGLDC Load Isolation Switch

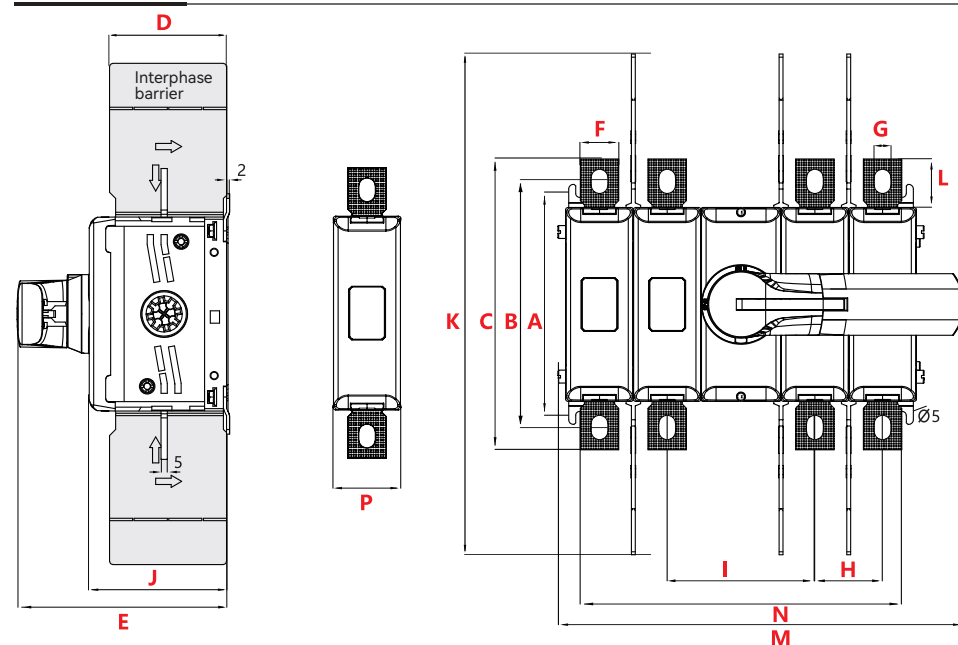
Application Scope

- Suitable for PV system main switches, distribution boxes, and power cabinets.
- Visible contact technology ensures a high level of safety.
- Capable of on-load operation; meets isolation requirements and ensures personal safety.

Technical Parameters

Model	250	250G	325G	400	630	800	1000
Rated operational current Ie (A)	160/200/250	160/200/250	275/300/325	315/400	500/630	700/800	1000
Rated insulation voltage Ui (V)	1000 Pollution Level 3	1500 Pollution Level 2	1500 Pollution Level 2	1500 Pollution Level 2	1500 Pollution Level 2	1500 Pollution Level 2	1500 Pollution Level 2
Rated impulse withstand voltage (kV)	12	12	12	12	12	12	12
Rated thermal current Ith (free air) (A)	160/200/250	160/200/250	275/300/325	315/400	500/630	700/800	1000
Cable or busbar cross-section (Copper/Cu) (mm ²)	70/95/120	70/95/120	185/185/185	185/240	2×240	2×240	4×150
Rated short-time withstand current Icw(kA)	5(1s), 10(0.1s)	10(0.1s)	10(0.1s)	10(0.1s)	10(0.1s)	10(0.1s)	10(0.1s)
Rated short-circuit making capacity Icm (peak) (kA)	-	10	10	10	10	10	10
Terminal screw specifications (diameter × length) (mm)	M8×25	M8×25	M8×25	M10×30	M10×30	M10×30	M10×30
Terminal tightening torque (locking torque) (Nm)	15-22	15-22	15-22	30-44	30-44	30-44	30-44
Mechanical life (number of operations)	-	10000	10000	10000	10000	10000	10000
Operating altitude (without derating) (m)	-	≤2000	≤2000	≤2000	≤2000	≤2000	≤2000

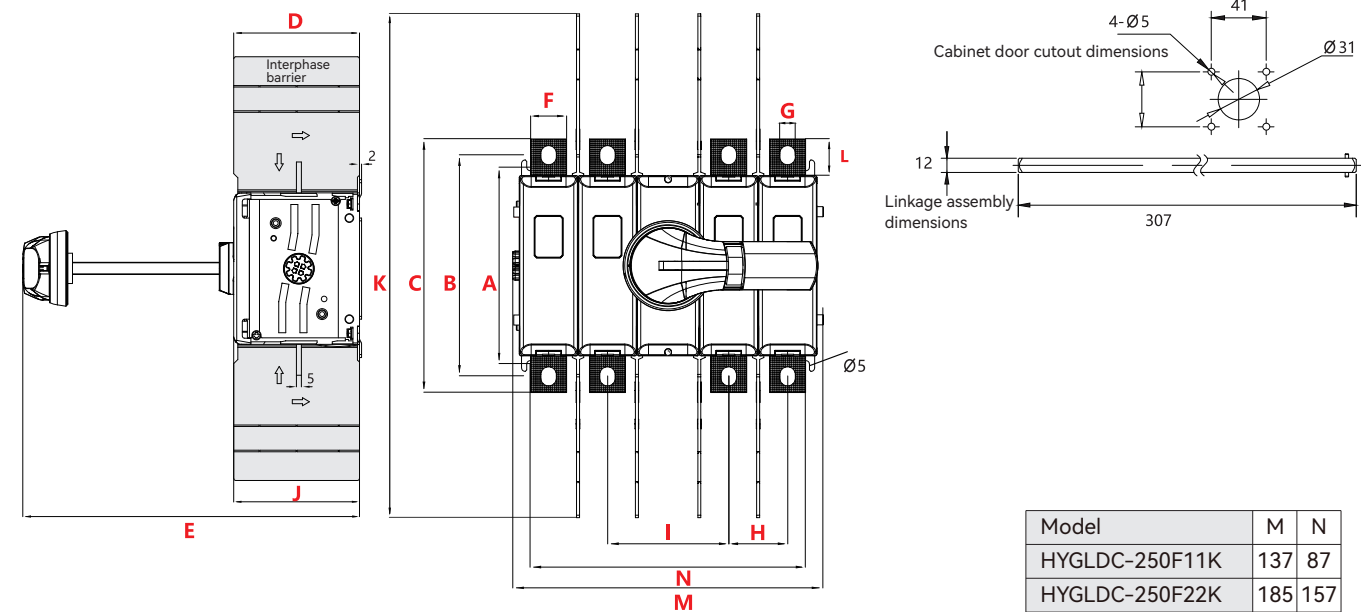
Appearance and Dimensions



Model	A	B	C	D	E	F	G	H	I	J	K	L	P
HYGLDC-250	144	168	190	70	115.5	20	10.5	35	70	76	325.5	24	35
HYGLDC-250G/325G	133	142	165	76	149	19.7	9	39	77	109.5	314.5	25	39
HYGLDC-400/630	164	184	211	124.5	171	30	13	49	101	125	419.5	31	49
HYGLDC-800/1000	164	184	211	124.5	171	30	13	49	101	125	419.5	31	49

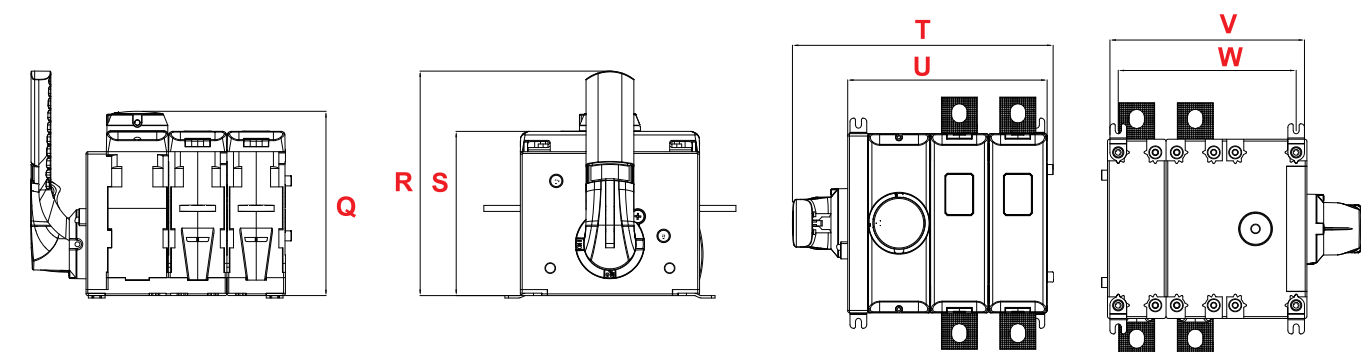
Model	M	N
HYGLDC-250F11K	125	87
HYGLDC-250F22K	185	157
HYGLDC-325GF11K	126	96
HYGLDC 325GF22K	199	175
HYGLDC-630F11K	225	132
HYGLDC-630F22K	274	230
HYGLDC-1000F11K	225	132
HYGLDC-1000F22K	274	230

Appearance and Dimensions



Model	A	B	C	D	E	F	G	H	I	J	K	L
HYGLDC-250	144	168	190	70	297	20	10.5	35	70	76	325.5	24
HYGLDC-250G/325G	133	142	165	76	314	19.7	9	39	77	109.5	314.5	25
HYGLDC-400/630	164	184	211	124.5	333	30	13	49	101	125	419.5	31
HYGLDC-800/1000	164	184	211	124.5	333	30	13	49	101	125	419.5	31

Model	M	N
HYGLDC-250F11K	137	87
HYGLDC-250F22K	185	157
HYGLDC-325GF11K	138	98
HYGLDC 325GF22K	199	176
HYGLDC-630F11K	205	132
HYGLDC-630F22K	259	230
HYGLDC-1000F11K	205	132
HYGLDC-1000F22K	259	230



Model	Q	R	S	T	U	V	W
HYGLDC-250	100	102	86	169	122	119	105
HYGLDC-250G/325G	125.5	110	111.5	178	116	114	100
HYGLDC-400/630	155	188	138	219	167	163	149
HYGLDC-800/1000	155	188	138	219	167	163	149