

HPL

Technical Specifications - DiamondShield™ Series

DS

"HPL" configuration - Hinged, 2 pull latches

DS141206HPL

NOTES:

HPL Construction

Material	Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris

HPL Industry Standards

UL/cUL 50	File E64358 Type 1, 3, 3s, 12, 13, 4X
NEMA 250	Type 1, 3, 3s, 12, 13, 4X
CSA Std C22.2	File LR069014 Type 1, 3, 3s, 12, 13, 4X
Temperature Range	(-40°F to +250°F) (-40°C to +130°C)
Flammability Rating	UL94-5V
Window Flammability	UL94V-0
Self Extinguishing	Non-Halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)

HPL Accessories**Back Panels**

Aluminum	BP__AL	pg. 330
Fiberglass	BP__FG	pg. 330
Stainless Steel	BP__SS	pg. 330
Carbon Steel	BP__CS	pg. 330

ORDERING INFO**Mounting Feet**

Mounting feet	See the following DiamondShield accessories pages
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ORDERING INFO**Special Accessories**

Vent	DVK3KIT	pg. 324
Louver	LPK3KIT	pg. 324
Carrying Handle	RMEMK10956	pg. 326
Fiberglass pedestals	JP3336	pg. 326
Assorted hubs and cord grips	five assorted ranges (includes rigid & flex)	pg. 327, 328
Vapor capsule	VC2-1	pg. 327

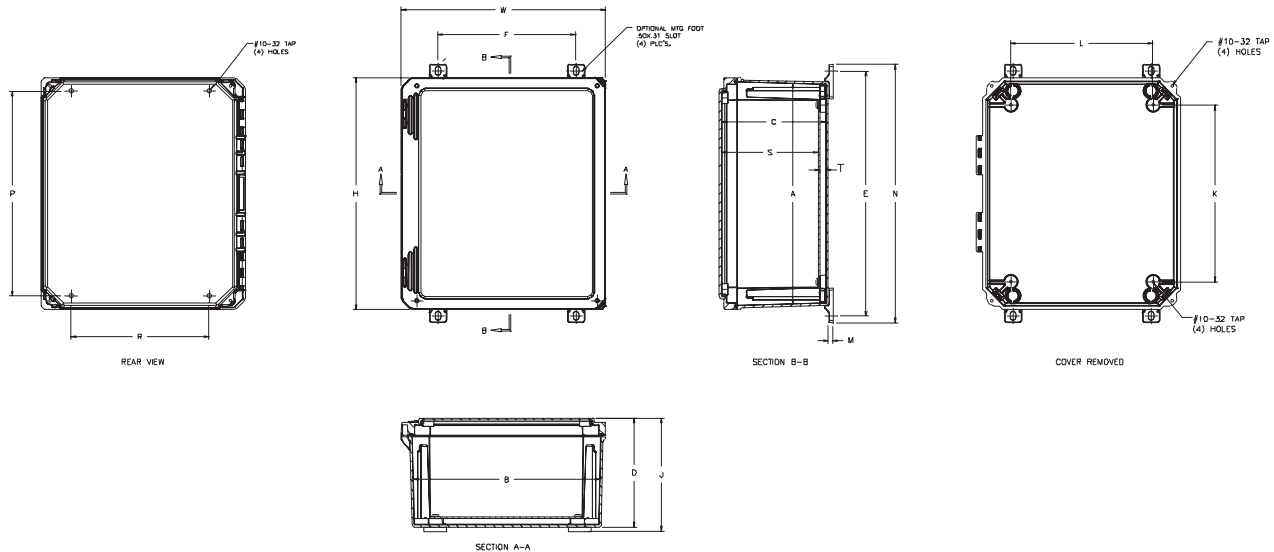
HPL Modifications

See Special ModRight™ Modification on pg 315 - 322

Removable dead front panels	See the following DiamondShield accessories pages
Grounding stud	pg. 338, 339
Custom painting	pg. 315 - 322
Molded in color	pg. 315 - 322
Silk screening	pg. 315 - 322
Decals	pg. 315 - 322
EMI/RFI shielding	pg. 315 - 322
Custom window	pg. 315 - 322
Custom cutouts	pg. 315 - 322
Custom hole drilling	pg. 315 - 322
Custom Blending	pg. 315 - 322

ORDERING INFO

DiamondShield™ Opaque Cover Series “HPL” Configuration Technical Drawings



DiamondShield Opaque Cover Series Enclosures - “HPL” Configuration Dimensions

SIZE ID NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING P X R	K	L	S	T	OPT. MOUNT. FEET E X F	N	J	M	WEIGHT	PANEL NUMBER
DS60604HPL	7.41 x 7.79 x 4.31 (188.3 x 197.9 x 109.5)	6.77 x 6.77 x 4.06 (171.9 x 171.9 x 103.2)	5.93 x 4.00 (150.6 x 101.6)	4.25 (108)	4.25 (108)	3.60 (91.5)	.38 (9.6)	8.24 x 4.00 (209.2 x 101.6)	9.02 (229.0)	4.56 (115.8)	.25 (6.35)	2.5 lbs	BP-66
DS80604HPL	9.41 x 7.79 x 4.31 (239.1 x 197.9 x 109.5)	8.77 x 6.77 x 4.06 (222.7 x 171.9 x 103.2)	7.91 x 4.00 (200.9 x 101.6)	6.25 (159)	4.25 (108)	3.60 (91.5)	.38 (9.6)	10.21 x 4.00 (259.3 x 101.6)	10.98 (279.0)	4.56 (115.8)	.25 (6.35)	3.0 lbs	BP-86
DS80804HPL	9.39 x 9.76 x 4.31 (238.5 x 248.0 x 109.5)	8.74 x 8.74 x 4.06 (222.1 x 222.1 x 103.2)	7.91 x 6.00 (200.9 x 152.4)	6.25 (159)	6.25 (159)	3.60 (91.5)	.38 (9.6)	10.21 x 6.00 (259.3 x 152.4)	10.98 (279.0)	4.56 (6.35)	.25 (115.8)	3.5 lbs	BP-88
DS100806HPL	11.42 x 9.79 x 6.31 (290.1 x 248.6 x 160.3)	10.73 x 8.73 x 6.06 (272.5 x 221.7 x 153.9)	9.89 x 6.00 (251.2 x 152.4)	8.25 (210)	6.25 (159)	5.60 (142.3)	.38 (9.6)	12.19 x 6.00 (309.6 x 152.4)	12.96 (329.3)	6.56 (166.6)	.25 (6.35)	4.5 lbs	BP-1008
DS121006HPL	13.45 x 11.83 x 6.31 (341.6 x 300.5 x 160.3)	12.69 x 10.69 x 6.06 (322.3 x 271.5 x 153.9)	11.88 x 8.00 (301.7 x 203.2)	10.25 (260)	8.25 (210)	5.60 (142.3)	.38 (9.6)	14.18 x 8.00 (360.2 x 203.2)	14.95 (379.7)	6.56 (166.6)	.25 (6.35)	6.0 lbs	BP-1210
DS141206HPL	15.49 x 13.86 x 6.34 (393.4 x 352.0 x 161.0)	14.72 x 12.72 x 6.06 (373.9 x 323.1 x 153.9)	13.91 x 10.00 (353.3 x 254.0)	12.25 (311)	10.25 (260)	5.60 (142.3)	.38 (9.6)	16.21 x 10.00 (411.7 x 254.0)	16.98 (431.4)	6.59 (167.4)	.25 (6.35)	8.0 lbs	BP-1412
DS141208HPL	15.49 x 13.86 x 8.34 (393.4 x 352.0 x 211.8)	14.66 x 12.66 x 8.06 (372.4 x 321.6 x 204.7)	13.88 x 10.00 (352.5 x 254.0)	12.25 (311)	10.25 (260)	7.60 (193.2)	.38 (9.6)	16.19 x 10.00 (411.2 x 254.0)	16.96 (430.9)	8.59 (218.2)	.25 (6.35)	9.5 lbs	BP-1412
DS161408HPL	17.58 x 15.96 x 8.34 (446.6 x 405.4 x 211.8)	16.69 x 14.69 x 8.06 (424.0 x 373.1 x 204.7)	15.96 x 12.00 (405.4 x 304.8)	14.25 (362)	12.25 (311)	7.60 (193.2)	.38 (9.6)	18.26 x 12.00 (464.0 x 304.8)	19.04 (483.5)	8.59 (218.2)	.25 (6.35)	11.5 lbs	BP-1614
DS181610HPL	19.77 x 18.15 x 10.34 (502.2 x 461.0 x 262.6)	18.63 x 16.63 x 10.06 (473.2 x 422.4 x 255.5)	17.94 x 14.00 (455.6 x 355.6)	16.25 (413)	14.25 (362)	9.60 (243.9)	.38 (9.6)	20.24 x 14.00 (514.3 x 355.6)	21.02 (533.8)	10.59 (268.9)	.25 (6.35)	16.0 lbs	BP-1816
DS201610HPL	21.79 x 18.16 x 10.34 (553.5 x 461.2 x 262.6)	20.63 x 16.63 x 10.06 (524.0 x 422.4 x 255.5)	19.96 x 14.00 (506.9 x 355.6)	18.25 (463)	14.25 (362)	9.59 (243.7)	.38 (9.6)	22.26 x 14.00 (565.6 x 355.6)	23.04 (585.1)	10.59 (268.9)	.25 (6.35)	17.5 lbs	BP-J2016

All measures are in inches, items in parentheses are in millimeters