



# Battery Market in Motion

KEEPING A PULSE ON  PACKAGING TRENDS.

FALL 2014

## STOCK BATTERY PACKAGING



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## DID YOU KNOW?



PHMSA recently published the Final Rule on **Transportation of Lithium Batteries (HM-224F)**.

This Final Rule harmonizes many of the applicable provisions with the International Regulations, (ICAO, IMDG and the UN Model Regulations).

### How Does HM-224F affect your compliance program?

To find out what the significant changes in this Final Rule are and what they mean for Battery shippers, read our *Safe Packaging Matters* newsletter on **Safe Battery Packaging**.

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## CUSTOM BATTERY PACKAGING



## CUSTOM PACKAGING



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# BATTERY PACKAGING – Stock and Custom Packs



**SMALL BATTERY PACK**



**LARGE BATTERY BOX**



**RETENTION PACK**



**12.2 GALLON PLASTIC**



**CUSTOM BATTERY PACKS**

## Small Battery Pack

Product	Part#	Carton ID	Carton OD
<b>Corrugated Box</b>	<b>30-9937</b>	11 1/2" x 11 1/2" x 11	12" x 12" x 12"
Packing Group	MAX Weight Inner Container and Lading	MAX Shipping Weight of Complete Package	Associated UN Certification Rating
PG II (Y) & PG III (Z)**	21.2 kg (46.72 lb)	22 kg (49.81 lb)	4G/Y22.6/S
Accessories (not included)	Part#	Details	
<b>Liner Bag</b>	<b>06-1061</b>	18" x 14" x 36", 3 mil, one per carton	

## Large Battery Box

Product	Part#	Carton ID	Carton OD
<b>Large Battery Box</b>	<b>30-8107</b>	24 3/4" x 12 5/8" x 13	25 1/8" x 13 1/4" x 15
PG II (Y) & PG III (Z)**	57 kg (125.62 lb)	65 kg (143.26 lb)	UN4G/Y65/S
Accessories (not included)	Part#	Details	
<b>Liner Bag*</b>	<b>06-1030</b>	24" X 20" X 48", 3 MIL LDPE	
<b>Vermiculite*</b>	<b>13-0000</b>	See Absorbents (page 39) for available options	

## Battery Retention Pack

Product	Part#	Carton ID	Carton OD
<b>Retention Box</b>	<b>30-9397</b>	24 3/4" x 12 5/8" x 13	25 1/8" x 13 1/4" x 15
<b>Retention Insert*</b>	<b>30-9398</b>		1/4" 1/4"
PG II (Y) & PG III (Z)**	6.5 kg (14.32 lb)	7.2 kg (15.86 lb)	UN4G/Y7.2/S

## 12.2 Gallon Plastic Pail Pack for Batteries

Product	Part#	Details
<b>Plastic Pail</b>	<b>07-1516</b>	12.2 Gallon Plastic, Open Head Pail, includes Screw-top Cover
<b>Screw Top Cover</b>	<b>07-1532</b>	Screw Top Cover
<b>Anti-Stat Poly Bag</b>	<b>06-1073</b>	23" x 17" x 38", Pink, 3 mil, Anti-Stat
PG II (Y) & PG III (Z)**	59 kg (130.03 lb)	55.55 kg (122.43 lb)
UN1H2/Y59/S		
Accessories (not included)	Part#	Details
<b>Vermiculite</b>	<b>13-0000</b>	See Absorbents (page 39) for available options

## Custom Battery Pack A

Product	Part#	Carton ID	Carton OD
<b>Corrugated Box</b>	<b>30-8718</b>	19 13/16" x 12 7/16" x 14 3/8"	20 1/4" x 12 7/8" x 15 3/4"
Packing Group	MAX Weight Inner Container and Lading	MAX Shipping Weight of Complete Package	Associated UN Certification Rating
PG II (Y)	30.73 kg (67.6 lb)	32 kg (70.4 lb)	4G/Y32/S/**/
Accessories (not included)	Part#	Details	
<b>Polyethylene Foam; foam tray</b>	<b>MISC9255</b>	19 1/8" x 11 11/16" x 4"; 1.8#	
<b>Flexible Bag</b>	<b>06-1061</b>	18" x 14" x 36"	
<b>Closure</b>	<b>21-1237</b>	48mm minimum width tape	

## Custom Battery Pack B

Product	Part#	Carton ID	Carton OD
<b>Corrugated Box</b>	<b>30-8566</b>	19 7/8" x 14 1/2" x 7 1/2"	20 1/4" x 15" x 9"
Packing Group	MAX Weight Inner Container and Lading	MAX Shipping Weight of Complete Package	Associated UN Certification Rating
PG II (Y)	21.765 kg (47.88 lb)	23 kg (50.6 lb)	4G/Y23/S/**/
Accessories (not included)	Part#	Details	
<b>Polyethylene Foam; foam tray</b>	<b>MISC9259</b>	2" x 14.5" x 7.5"	
<b>Flexible Bag</b>	<b>06-1061</b>	18" x 14" x 36"	
<b>Closure</b>	<b>21-1237</b>	48mm minimum width tape	

## Custom Battery Pack C

Product	Part#	Carton ID	Carton OD
<b>Corrugated Box</b>	<b>30-4018</b>	24 1/4" x 22" x 13 1/4"	26 3/4" x 24 1/2" x 15 3/4"
Packing Group	MAX Weight Inner Container and Lading	MAX Shipping Weight of Complete Package	Associated UN Certification Rating
PG II (Y)	30.03 kg (66.06 lb)	52 kg (114.4 lb)	4D/X52/S/**/
Accessories (not included)	Part#	Details	
<b>Inner Carton</b>	<b>80-8270</b>	20 1/4" x 18" x 9 1/4"	
<b>Vermiculite</b>	<b>13-000</b>	Extra Course	
<b>Liner Bag</b>	<b>06-1073</b>	Liner bag, LDPE, pink, anti-static, 4 mil 23" x 17" x 38"	
<b>Closure</b>	<b>MISC9501</b>	Cabel tie, Nylon, 6"	

\*Required \*\*PG I (X) are not applicable for this item.