Lithium Ion battery program 2017

3,2V Li-Ion Battery Cells, with Yttrium (LiFeYPO₄ = LYP)

**MODEL No. HME-LYP40AH**
Nominal Capacity: 40 AH
Operating Voltage: 2.8 V - 4.0 V
Weight: 1.6 kg± 50g
Dimensions: 115 × 183 × 47 mm
Inner resistance: <=0,7 mOhm

**MODEL No. HME-LYP 60AH**
Nominal Capacity: 60 AH
Operating Voltage: 2.8 V - 4.0 V
Weight: 2.3 kg± 50g
Dimensions: 114 × 203 × 61 mm
Inner resistance: <=0,55 mOhm

**MODEL No. HME-LYP90AH**
Nominal Capacity: 90 AH
Operating Voltage: 2.8 V - 4.0 V
Weight: 3.0 kg± 100g
Dimensions: 143×218×61 mm
Inner resistance: <=0,5 mOhm

**MODEL No. HME-LYP100AH**
Nominal Capacity: 100 AH
Operating Voltage: 2.8 V - 4.0 V
Weight: 3.6 kg± 100g
Dimensions: 179 × 218 × 62 mm
Inner resistance: <=0,45 mOhm

**MODEL No. HME-LYP160AH**
Nominal Capacity: 160 AH
Operating Voltage: 2.8V - 4.0V
Weight: 5.7 kg± 50g
Dimensions: 209 × 278 × 65 mm
Inner resistance: <=0,4 mOhm
**MODEL No. HME-LYP200AH**
Nominal Capacity: 200 AH  
Operating Voltage: 2.8 V - 4.0 V  
Weight: 7.9 kg± 200g  
Dimensions: 361 × 256 × 55.5 mm  
Inner resistance: <= 0.35 mOhm

---

**MODEL No. HME-LYP300AH**
Nominal Capacity: 300 AH  
Operating Voltage: 2.8 V - 4.0 V  
Weight: 9.7 kg±250 g  
Dimensions: 362 × 306 × 55.5 mm  
Inner resistance: <= 0.7 mOhm

---

**MODEL No. HME-LYP400AH**
Nominal Capacity: 400 AH  
Operating Voltage: 2.8 V - 4.0 V  
Weight: 13.5 kg±250 g  
Dimensions: 460 × 285 × 65mm  
Inner resistance: <= 0.3 mOhm

---

**MODEL No. HME-LYP700AH**
Nominal Capacity: 700 AH  
Operating Voltage: 2.8 V - 4.0 V  
Weight: 21 kg±300 g  
Dimensions: 627 × 67 × 305 mm  
Inner resistance: <= 0.3 mOhm

---

**MODEL No. HME-LYP1000AH**
Nominal Capacity: 1000 AH  
Operating Voltage: 2.8 V - 4.0 V  
Weight: 41 kg±500 g  
Dimensions: 560 × 130 × 356mm  
Inner resistance: <= 0.3 mOhm

---

**Note:**  
Charge and discharge current, for all cells: max. 3CA  
Life time: up to 5’000 cycles at 80% DOD.  
Operating temp. for charge & discharge: -45° to +85°C  
No danger of fire or explosion possible due to Y metal.
12V Li-Y Battery -Packs

**MODEL NO. HME-LP12V40AH**
Nominal Capacity: 40 AH  
Operating Voltage: 11V - 16V  
Weight: 7 kg±200 g  
Dimensions: 225 × 125 × 208 mm

**MODEL NO. HME-LP12V60AH**
HME-LP12V60AHNominal Capacity: 60 AH  
Operating Voltage: 11V - 16V  
Weight: 10 kg±100 g  
Dimensions: 282 × 125 × 230 mm

**MODEL NO. HME-LP12V90AH**
Nominal Capacity: 90 AH  
Operating Voltage: 11 V – 16 V  
Weight: 13 kg±100 g  
Dimensions: 282 × 155 × 248 mm