



## 產品變更通知書

# PRODUCT CHANGE NOTIFICATION

To Whom It May Concerns:

Hitachi Chemical Energy Technology Co., Ltd. is notifying our valued customers of a Class 3 PCN to GP1272 models. This PCN is for a product Spec. change announcement.

事由 Subject																																																																																																																																																																																							
檔案編號 File No.	170306																																																																																																																																																																																						
公告日期 Issue Date	170301																																																																																																																																																																																						
變更生效日期 Date of Change Activated	170301																																																																																																																																																																																						
變更範圍 Series/Model Affected	GP1272																																																																																																																																																																																						
變更層級/類別 Level/Classification of Changes	<div>Class 1 內部知悉/Internal notice</div> <div><input type="checkbox"/> 材料變更/Material Change</div> <div>Class 2 客戶知悉/Customer Acknowledge</div> <div><input type="checkbox"/> 電池包裝變更/Battery Package Change</div> <div><input type="checkbox"/> 電池印刷內容變更/Battery Silkscreen Printing</div> <div><input type="checkbox"/> 其他變更/Others</div> <div>Class 3 客戶承認/Customer Approval</div> <div><input type="checkbox"/> 設計變更/Design Change</div> <div><input type="checkbox"/> 產地變更/ Manufacturing Site Change</div> <div><input checked="" type="checkbox"/> 規格變更/Spec. sheet Change</div>																																																																																																																																																																																						
變更內容說明 Descriptions of Changes	<div>1. Nominal capacity: 8.5Ah→8.0Ah (<math>I_{20} \times 20\text{hr} = 8.24\text{Ah}/1.75\text{Vpc}</math>)</div> <div>2. Spec. sheet Discharge table change.</div> <div><table><caption>Constant Current Discharge Characteristics Unit: A (25°C, 77°F)</caption><thead><tr><th>F.V/Time</th><th>5 MIN</th><th>10MIN</th><th>15MIN</th><th>30MIN</th><th>60MIN</th><th>90MIN</th><th>2HR</th><th>3HR</th><th>5HR</th><th>8HR</th><th>10HR</th><th>20HR</th></tr></thead><tbody><tr><td>1.60V</td><td>34.3</td><td>21.1</td><td>15.4</td><td>8.89</td><td>5.15</td><td>3.74</td><td>2.97</td><td>2.15</td><td>1.42</td><td>0.940</td><td>0.774</td><td>0.416</td></tr><tr><td>1.67V</td><td>32.8</td><td>20.8</td><td>15.3</td><td>8.87</td><td>5.14</td><td>3.73</td><td>2.96</td><td>2.14</td><td>1.41</td><td>0.937</td><td>0.771</td><td>0.415</td></tr><tr><td>1.70V</td><td>31.9</td><td>20.5</td><td>15.1</td><td>8.83</td><td>5.13</td><td>3.72</td><td>2.95</td><td>2.13</td><td>1.40</td><td>0.936</td><td>0.770</td><td>0.414</td></tr><tr><td>1.75V</td><td>30.0</td><td>19.8</td><td>14.8</td><td>8.72</td><td>5.09</td><td>3.71</td><td>2.94</td><td>2.12</td><td>1.39</td><td>0.932</td><td>0.767</td><td>0.412</td></tr><tr><td>1.80V</td><td>27.6</td><td>18.6</td><td>14.2</td><td>8.49</td><td>4.99</td><td>3.66</td><td>2.91</td><td>2.10</td><td>1.38</td><td>0.921</td><td>0.758</td><td>0.407</td></tr><tr><td>1.85V</td><td>24.4</td><td>16.9</td><td>13.1</td><td>8.06</td><td>4.80</td><td>3.54</td><td>2.81</td><td>2.04</td><td>1.33</td><td>0.892</td><td>0.734</td><td>0.393</td></tr></tbody></table><table><caption>Constant Power Discharge Characteristics Unit: W (25°C, 77°F)</caption><thead><tr><th>F.V/Time</th><th>5MIN</th><th>10MIN</th><th>15MIN</th><th>30MIN</th><th>60MIN</th><th>90MIN</th><th>2HR</th><th>3HR</th><th>5HR</th><th>8HR</th><th>10HR</th><th>20HR</th></tr></thead><tbody><tr><td>1.60V</td><td>362</td><td>233</td><td>174</td><td>104</td><td>60.4</td><td>44.1</td><td>35.1</td><td>25.4</td><td>17.1</td><td>11.5</td><td>9.45</td><td>5.04</td></tr><tr><td>1.67V</td><td>352</td><td>230</td><td>172</td><td>103</td><td>60.2</td><td>44.0</td><td>35.0</td><td>25.3</td><td>17.0</td><td>11.4</td><td>9.43</td><td>5.03</td></tr><tr><td>1.70V</td><td>345</td><td>227</td><td>171</td><td>102</td><td>60.1</td><td>43.9</td><td>34.9</td><td>25.2</td><td>16.9</td><td>11.3</td><td>9.42</td><td>5.02</td></tr><tr><td>1.75V</td><td>329</td><td>219</td><td>168</td><td>101</td><td>59.8</td><td>43.8</td><td>34.8</td><td>25.1</td><td>16.8</td><td>11.2</td><td>9.39</td><td>5.01</td></tr><tr><td>1.80V</td><td>304</td><td>207</td><td>162</td><td>100</td><td>58.9</td><td>43.3</td><td>34.5</td><td>25.0</td><td>16.7</td><td>11.1</td><td>9.31</td><td>4.95</td></tr><tr><td>1.85V</td><td>273</td><td>192</td><td>151</td><td>95.5</td><td>56.9</td><td>42.0</td><td>33.5</td><td>24.4</td><td>16.3</td><td>11.0</td><td>9.06</td><td>4.80</td></tr></tbody></table></div>	F.V/Time	5 MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR	1.60V	34.3	21.1	15.4	8.89	5.15	3.74	2.97	2.15	1.42	0.940	0.774	0.416	1.67V	32.8	20.8	15.3	8.87	5.14	3.73	2.96	2.14	1.41	0.937	0.771	0.415	1.70V	31.9	20.5	15.1	8.83	5.13	3.72	2.95	2.13	1.40	0.936	0.770	0.414	1.75V	30.0	19.8	14.8	8.72	5.09	3.71	2.94	2.12	1.39	0.932	0.767	0.412	1.80V	27.6	18.6	14.2	8.49	4.99	3.66	2.91	2.10	1.38	0.921	0.758	0.407	1.85V	24.4	16.9	13.1	8.06	4.80	3.54	2.81	2.04	1.33	0.892	0.734	0.393	F.V/Time	5MIN	10MIN	15MIN	30MIN	60MIN	90MIN	2HR	3HR	5HR	8HR	10HR	20HR	1.60V	362	233	174	104	60.4	44.1	35.1	25.4	17.1	11.5	9.45	5.04	1.67V	352	230	172	103	60.2	44.0	35.0	25.3	17.0	11.4	9.43	5.03	1.70V	345	227	171	102	60.1	43.9	34.9	25.2	16.9	11.3	9.42	5.02	1.75V	329	219	168	101	59.8	43.8	34.8	25.1	16.8	11.2	9.39	5.01	1.80V	304	207	162	100	58.9	43.3	34.5	25.0	16.7	11.1	9.31	4.95	1.85V	273	192	151	95.5	56.9	42.0	33.5	24.4	16.3	11.0	9.06	4.80
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變更背景原因 Reasons for Changes	<div>我們檢視量產水準後,調整放電率規格</div> <div>因此,我們已在 Mar 1st 更新網站上的 GP1272 規格書</div> <div>Values adjusted according to mass production tolerances review.</div> <div>Therefore, we have updated GP1272 spec. sheet on Mar 1<sup>st</sup></div>																																																																																																																																																																																						



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