



HPS-130SL

- Multi-position usage
- ABS Case and cover - V0 on request
- Low self discharge
- FAA and IATA approved as non-hazardous
- Built to comply with IEC 8962, DIN 43534, BS 6290

Pt4. Eurobat

- Nominal Voltage12 Volts
- Nominal Capacity135Ah (C20 @ 20 °C)
- Design Life12 Years
- Operating Temperature...-20 °C to 50 °C
- Grid alloyCalcium /Tin lead alloy
- PlatesFlat Pasted
- Separator.....Absorbant Glass Mat
- Active material.....Very high purity lead
- Case and cover.....ABS (VO on request)
- Charge VoltageFloat 2.25 - 2.30 VPC @25 °C
Cycling 2.35 @25 °C
Max. 2.4 VPC Max ripple 0.05C (A)

- Electrolyte Sulphuric acid Analytical grade
purity
- Venting Valve EPDM Rubber 1.5 to 2 psi (10.5
-14 KPa) release pressure.
Resealing at 1 psi (7 KPa)
- Terminal..... Insert 14mm Dia M6 thread.
Epoxy sealed by extended
mechanical paths
- Torque setting..... The recommended torque
value for all types is 5-7 Nm
- Cables Connectors, cables, terminal
covers on request.

Technical drawings of the battery pack showing top, side, and end views with dimensions:

- Top View:** Shows the layout of the three battery cells. Dimensions include a width of 45.0, a height of 37.5, and a cell width of 25.
- Side View (Left):** Shows the battery pack with a width of 340 and a height of 280. A label "To Terminal 285" points to the top edge.
- Side View (Right):** Shows the battery pack with a width of 173 and a height of 280. A label "Battery 280" points to the side edge.
- End View:** Shows the battery pack with a length of 100, a width of 16, and a height of 20. It also shows a 10mm dimension at the bottom right and labels R3 and R1.

Nominal Voltage	12V		
Nominal Capacity	135 Ah		
Dimensions	Total Height - (Inc. terminal s)	280 mm - n/a mm	11.02 inches - n/a inches
	Length - Width	340 mm - 173 mm	13,39 inches - 6,81 inches
	Weight 39.6 kg - 87,52 lbs		

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Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate 10 hour rate 5 hour rate 1 hour rate 15 min rate Internal Resis tance Impedance	132,2 Ah 118,5 Ah 107,9 Ah 95,5 Ah 54,6 Ah 2,73 mOhms S
Capacity correction for Temperature Variations (C20)	40 °C (104 °F) 20 °C (68 °F) 0 °C (32 °F) -15 °C (5 °F)	102% 100% 85% 65%
Self-Discharge 20 °C (68 °F)	Capacity after 1 months storage Capacity after 3 months storage Capacity after 6 months storage	98% 94% 86%
Short Circuit Current 20 °C (68 °F)	3750	
Terminal	Standard Optional	14mm Insert M6 thread Cu/Lead Flag - J Type - Auto
Charging (Constant Voltage)	Cyclic Float	2.35 - 2.40 VPC (20-25 °C) 2.27 - 2.30 VPC (15-25 °C)

Constant Power Discharge - Watts per Cell at 20°C

EndV per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr
1.85	478	389	352	318	290	263	242	223	207	168	122	94.7	63.9	48.5
1.80	583	442	381	335	300	272	250	229	213	173	125	96.8	65.9	50.1
1.75	644	464	391	342	305	275	252	233	217	175	126	97.9	66.5	50.2
1.70	675	477	397	349	309	281	256	237	222	181	132	101	68.1	51.7
1.65	702	512	421	364	320	290	265	245	228	185	134	102	68.9	-
1.60	755	534	434	371	325	293	267	247	230	187	136	103	69.6	-

Constant Amps discharge - Amps at 20°C

EndV per Cell	5 M	10 M	15 M	20 M	25 M	30 M	35 M	40 M	45 M	60 M	90 M	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	257	208	188	169	154	139	127	117	108	87.8	63.0	48.9	32.8	24.7	20.2	13.4	11.1	9.50	6.16
1.80	318	240	206	180	161	145	133	122	112	91.0	65.1	50.2	34.0	25.7	20.8	13.8	11.5	9.79	6.38
1.75	355	254	214	185	165	148	134	124	115	92.4	65.9	51.0	34.4	25.9	21.0	13.9	11.5	9.88	6.42
1.70	376	264	218	191	168	152	138	127	118	96.0	69.3	52.8	35.3	26.7	21.6	14.3	11.9	10.2	6.61
1.65	392	284	232	199	174	157	143	131	122	98.0	70.5	53.5	35.8	-	-	-	-	-	-
1.60	424	298	240	203	177	159	144	132	123	99.0	71.4	54.0	36.2	-	-	-	-	-	-

Ampere Hour at 20 °C

End V per Cell	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	97.7	98.3	98.9	101	107	111	114	123
1.80	100	102	103	104	110	115	118	128
1.75	102	103	103	105	111	115	119	128
1.70	106	106	107	108	114	119	122	132
1.65	107	107	-	-	-	-	-	-
1.60	108	109	-	-	-	-	-	-