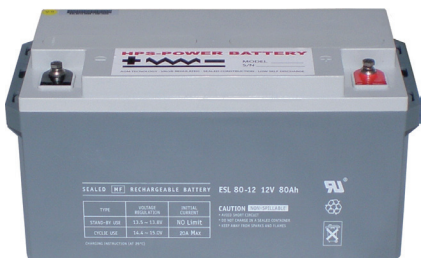


HPS-POWER BATTERY



HPS-70SL

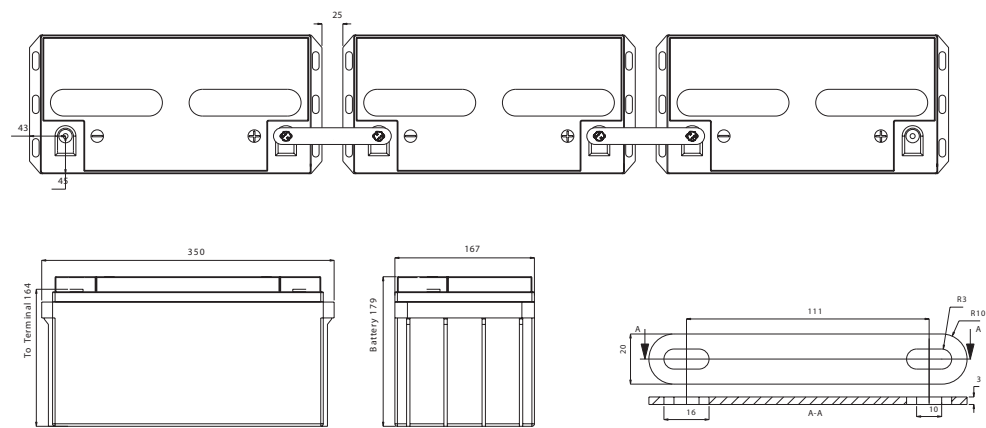
Innovative Features

- Completely maintenance free, sealed construction eliminates the need for watering
- Fully tank formed plates
- Analytical Grade electrolyte
- Spill proof / leak proof
- Valve regulated Max internal pressure 2.5 psi
- 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

Specifications

- Nominal Voltage12 Volts
- Nominal Capacity70Ah (C20 @ 20 °C)
- Design Life12 Years
- Operating Temperature...-20 °C to 50 °C
- Grid alloyCalcium /Tin lead alloy
- PlatesFlat Pasted
- SeparatorAbsorbant 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)
- ElectrolyteSulphuric acid Analytical grade purity
- Venting ValveEPDM 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
- CablesConnectors, cables, terminal covers on request.

Terminal Dimensions



Specifications

Nominal Voltage	12V		
Nominal Capacity	70 Ah		
Dimensions	Total Height - (Inc. terminal s)	179 mm - n/a mm	7,05 inches - n/a inches
	Length - Width	350 mm - 167 mm	13,78 inches - 6,57 inches
Weight 22,1 Kg - 48,84 lbs			

HPS-70SL

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 Resistance Impedance	66,3 Ah 58,1 Ah 52,4 Ah 46,8 Ah 34,1 Ah 5 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)	2100	
Terminal	Standard Optional	Cu Flag Insert M6 - JType - 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

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr
1.85	306	246	205	175	151	135	121	112	104	86.2	60.5	46.1	31.4	24.0
1.80	335	278	225	186	157	139	125	115	108	86.5	60.4	46.4	32.0	24.4
1.75	353	297	240	195	166	145	130	119	110	87.6	61.2	46.6	32.2	24.4
1.70	370	315	248	203	170	149	132	120	111	88.6	61.9	47.2	32.4	24.8
1.65	384	324	257	209	175	150	133	121	112	89.6	62.5	47.7	32.5	-
1.60	402	333	265	212	178	153	136	123	114	90.4	63.2	48.2	32.7	-

Constant Amps discharge - Amps at 20°C

End V 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	164	132	109	93	80.2	71.2	64.0	58.7	54.4	45.0	31.4	23.8	16.1	12.3	9.98	6.66	5.53	4.72	3.15
1.80	183	151	122	100	84.4	74.5	66.7	60.7	56.9	45.4	31.5	24.1	16.5	12.5	10.2	6.76	5.60	4.82	3.20
1.75	195	163	131	106	89.7	77.6	69.2	63.2	58.3	46.2	32.0	24.3	16.6	12.6	10.3	6.82	5.64	4.87	3.24
1.70	206	174	136	111	92.6	80.6	71.1	64.0	59.0	46.8	32.5	24.6	16.8	12.8	10.5	6.98	5.81	4.99	3.32
1.65	214	180	142	114	95.4	81.3	71.8	64.6	59.6	47.4	32.9	24.9	16.9	-	-	-	-	-	-
1.60	226	186	146	116	97.3	83.1	73.2	66.2	60.8	47.9	33.3	25.2	17.0	-	-	-	-	-	-

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	47.5	48.3	49.0	49.9	53.3	55.3	56.6	62.9
1.80	48.1	49.4	50.0	51.2	54.1	56	57.8	64.1
1.75	48.5	49.9	50.3	51.5	54.6	56.4	58.4	64.8
1.70	49.3	50.4	51.2	52.4	55.9	58.1	59.8	66.3
1.65	49.8	50.6	-	-	-	-	-	-
1.60	50.4	51.0	-	-	-	-	-	-