



# UPS 1850

## High Rate Battery



### Electrical specifications

Nominal Voltage		12 V
Capacity @ 25°C to 1,8V/c	20 hour rate	70,0 Ah
Capacity @ 25°C to 1,8V/c	10 hour rate	65,0 Ah
Power @ 25°C to 9,6V	10 min rate	1860 W
Power @ 25°C to 1,6V/c	10 min rate	310 W/c
Self discharge @ 25°C	per month	< 2 %
Internal Resistance	fully charged	approx 4,7 mΩ
Maximum current @ 25°C	Discharge < 5sec	780 A
Maximum current @ 25°C	Cyclic charge	19,5 A
Charge Voltage @ 25°C	Float (-3mV/°C)	2,27 V/c
Charge Voltage @ 25°C	Cyclic (-4mV/°C)	2,45 V/c

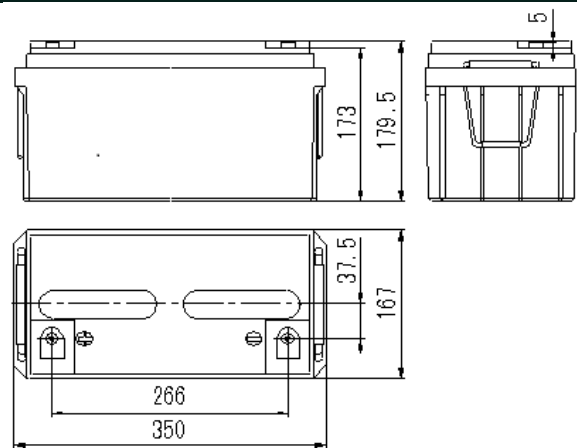
### Other specifications

Design Floating Life @ 20°C		10-12 Years
Dimensions LxWxH (± 1mm)		350x167x179 mm
	Total height	179 mm
Operating Temperature (storage)		-20 to +50 °C
Separator		Absorbent Glass Mat
Grid alloy		Calcium / Tin lead alloy
Case and cover		ABS
Electrolyte		Sulphuric Acid
Terminal / Length		M6 insert
Connector	Interlink Connectors	Optional
Torque setting		8 - 10 Nm
Weight		22,0 (±2%) kg

### Innovative Features

- 10-12 Year Long Life Design, Valve regulated Battery
- High performance according to Eurobat Classification
- Maximum charge efficiency
- 100% Recyclable
- High gas recombination efficiency
- Low self-discharge rate
- Easy handling
- Easy installation in vertical or horizontal orientation
- Applications: UPS, Data centre , Generator starting, EPS units
- Standards: IEC 60896-21 = VRLA methods of standards , IEC 60896-22 = VRLA requirements , JIS C8702-1/2:2009 , installation compliant with EN50272-2 , ISO 9001/2008

### Dimensions



### Constant Amps Discharge - Amps at 25°C

V/Cell	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m	55m	60m	90m
1,80	173	131	109	92	76,9	71,5	62,2	55,1	52,0	47,3	43,3	41,5	24,5
1,75	185	138	116	96	80,7	76,0	66,1	58,5	56,0	51,0	46,7	43,5	25,5
1,70	195	147	123	102	85,6	80,2	69,8	61,7	57,8	52,6	48,2	44,5	26,5
1,67	202	151	127	105	87,9	82,0	71,3	63,1	58,8	53,5	49,0	45,0	27,3
1,65	207	154	130	107	89,8	83,8	72,9	64,5	59,2	53,9	49,3	45,5	28,0
1,60	221	162	138	113	95,1	86,0	74,8	66,2	60,0	54,6	50,0	46,5	29,5

### Constant Power Discharge - Watts per Cell at 25°C

V/Cell	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m	55m	60m	90m
1,80	318	259	212	174	146	137	121	109	100	91	83,7	77,8	53,0
1,75	335	272	221	179	150	141	124	111	105	96	87,9	81,5	54,5
1,70	354	287	225	184	155	145	127	115	109	99	91,0	84,0	56,4
1,67	364	293	228	187	157	148	130	117	110	100	92,1	85,0	57,3
1,65	372	299	230	190	159	150	132	119	111	101	92,9	86,0	58,0
1,60	394	310	236	196	164	155	136	123	112	102	93,8	87,0	59,5

Revision: 201608-1

Your Wing Dealer :

