



UPS 1100

High Rate Battery



Electrical specifications

Nominal Voltage		12 V
Capacity @ 25°C to 1,8V/c	20 hour rate	48,0 Ah
Capacity @ 25°C to 1,8V/c	10 hour rate	45,0 Ah
Power @ 25°C to 9,6V	10 min rate	1400 W
Power @ 25°C to 1,6V/c	10 min rate	233 W/c
Self discharge @ 25°C	per month	< 2 %
Internal Resistance	fully charged	approx 6,5 mΩ
Maximum current @ 25°C	Discharge < 5sec	540 A
Maximum current @ 25°C	Cyclic charge	13,5 A
Charge Voltage @ 25°C	Float (-3mV/°C)	2,27 V/c
Charge Voltage @ 25°C	Cyclic (-4mV/°C)	2,45 V/c

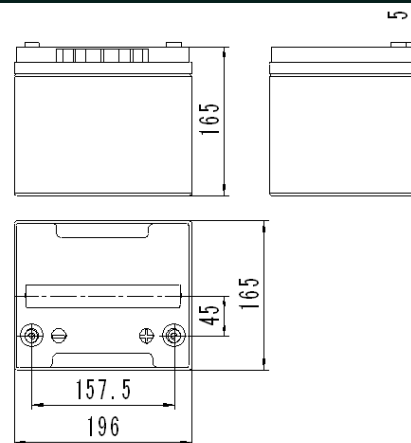
Other specifications

Design Floating Life @ 20°C		10-12 Years
Dimensions LxWxH (± 1mm)		196x165x165 mm
	Total height	170 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		14,0 (±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	119	92	76,9	61,8	51,9	46,5	41,9	37,7	35,0	31,9	29,3	26,9	19,7
1,75	129	96	79,7	63,9	53,7	48,5	43,6	39,3	36,2	33,0	30,3	28,2	20,7
1,70	139	101	84,6	67,7	56,9	51,2	46,0	41,4	37,9	34,5	31,7	29,3	21,4
1,67	145	104	87,2	69,8	58,7	52,5	47,3	42,5	39,0	35,5	32,6	30,4	21,9
1,65	150	106	89,5	71,7	60,2	53,7	48,3	43,5	39,9	36,3	33,4	31,3	22,3
1,60	162	110	93,8	75,6	63,5	56,6	50,9	45,8	42,0	38,2	35,2	32,7	23,2

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	229	193	145	116	98	86,5	76,1	69,1	63,6	59,1	55,9	51,7	37,2
1,75	242	202	151	120	101	89,7	78,9	71,5	65,8	61,2	57,6	53,3	38,3
1,70	258	213	157	125	105	93,0	81,8	73,8	67,9	63,1	59,5	55,0	39,4
1,67	267	218	160	127	107	94,8	83,4	75,2	69,2	64,3	60,4	55,9	40,0
1,65	275	223	163	129	108	96,2	84,7	76,3	70,2	65,3	61,1	56,5	40,5
1,60	289	233	168	134	113	99,4	87,5	78,5	72,2	67,1	62,8	58,1	41,6

Revision: 201608-1

Your Wing Dealer :

