

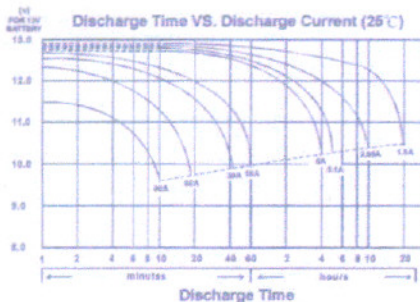
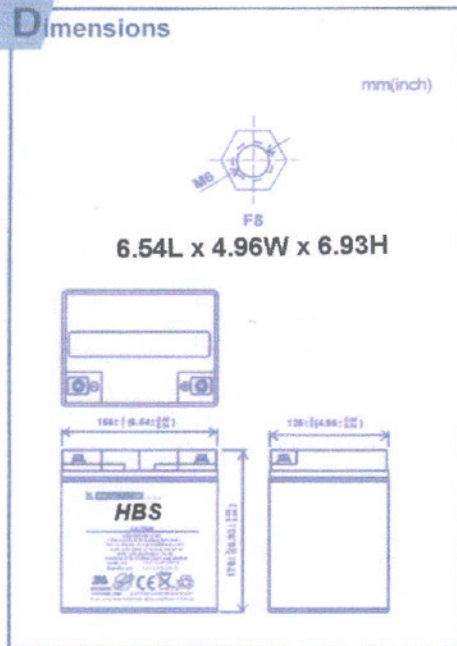
HBS

RECHARGEABLE SEALED LEAD ACID BATTERY

Revision 1.0

Replacement for Panasonic
LC-X1228AP

Dimensions



HBS12-30TNE

Specifications

Nominal Voltage (V) 12V

Nominal Capacity

20hour rate (1.5A)	to	10.50V)	30Ah
10hour rate (3.0A)	to	10.50V)	28.5Ah
5hour rate (5.1A)	to	10.20V)	25.5Ah
1C (30A)	to	9.60V)	21Ah
3C (90A)	to	9.60V)	15.3Ah

Weight 9.675kg(21.29Lbs.)

Internal Resistance (at 1KHz) 9 mΩ

Maximum Discharge Current for
30 seconds : 600AMaximum Discharge Current for
5 seconds : 1200A

Operating Temperature Range

Charge	0°C (32°F)	to	40°C (104°F)
Discharge	-15°C (5°F)	to	50°C (122°F)
Storage	-15°C (5°F)	to	40°C (104°F)

Charge Retention (shelf life) at 20°C (68°F)

1 month	92%
3 month	90%
6 month	80%

Charging Methods at 25°C (77°F)

Cycle use:

Charging Voltage 14.4 to 15.0V
Maximum Charging Current : 9.0A

Standby use :

Float Charging Voltage 13.50 to 13.80V

Life expectancy :

Cycle Use :

100% depth of discharge 225 cycles
80% depth of discharge 250 cycles
50% depth of discharge 750 cycles

Standby Use : 3~5years

Case Material ABS

(Option : 94-HB & 94V-0 flame retardant case)

Terminal F8

UL Approved

Sales Office: HBS-Holden Battery Services, LLC
23266 Mabe Hill Rd, Bristol, VA 24202, USA
Tel: 276-466-4713, Fax: 276-466-4080, Toll Free: 800-594-9257

Made in Taiwan