

# Datasheet

## YUASA LEV50 Cell

Nominal voltage	3.75V
Operating voltage range	2.75V to 4.1V
1-hr rate typical Capacity 25°C	50Ah
Continuous current	300A

Length	171 (±1)mm
Width	44 (±1)mm
Height (over terminals)	111 (±1)mm
Mass	1.65Kg

Male threaded terminal	M8
Torque	9-13Nm

Charge voltage limit at 25°C V (continuous)	4.1V
Charge voltage limit at 25°C V (60mSec)	4.2V
Charge termination threshold current	<0.5A

Maximum Charge Current (-25°C)	10A
Maximum Charge Current (-10°C)	25A
Maximum Charge Current (-0°C)	50A
Maximum Charge Current (10-40°C)	125A
Maximum Charge Current (50°C)	100A
Maximum Charge Current (55°C)	50A
Maximum Charge Current (60°C)	20A
Continuous current	300A

100% DOD @ 25°C. Assuming: Charge – 1C (50Amp) Constant current followed by 4.1V constant voltage charge.	5500	cycles (to 80% of initial capacity)
zzCharge cut off at 0.5Amps.		
Discharge – 1C (50Amp) constant current discharge down to 2.75V		



*This data has been source from the GS YUASA Technical Reports (gs-yuasa.com)*