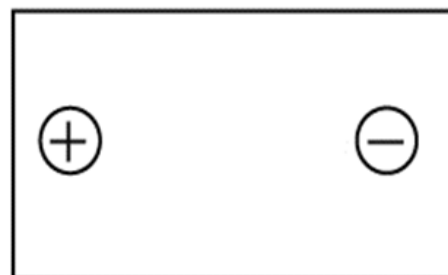
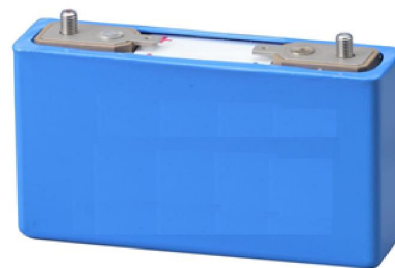


Li-ion-Series Cell

LEV50N

SPECIFICATIONS		
Nominal voltage	3.75	V
Operating voltage range	2.75 to 4.1	V
1-hr rate typical Capacity 25°C	50	Ah
DIMENSIONS:		
Length	171 (±0.5)	mm
Width	44 (±0.5)	mm
Height (over terminals)	111 (±1)	mm
Mass	1.65	kg
TERMINAL TYPE		
Male threaded terminal	M8	0
Torque	9-13	Nm
OPERATING TEMPERATURE RANGE		
Storage (recommended)	-20°C to +35°C	
Charge	-25°C to +60°C	
Discharge	-25°C to +60°C	
CASE MATERIAL		
Cell case	Stainless Steel	
Insulation film	PET	
CHARGE CONTROL		
Charge voltage limit at 25°C V(continuous)	4.1	V
Charge voltage limit at 25°C V(60mSec)	4.2	V
Charge termination threshold current	<0.5	A
CHARGE CURRENT		
Maximum Charge Current (-25°C)	10	A
Maximum Charge Current (-10°C)	25	A
Maximum Charge Current (0°C)	50	A
Maximum Charge Current (10-40°C)	125	A
Maximum Charge Current (50°C)	100	A
Maximum Charge Current (55°C)	50	A
Maximum Charge Current (60°C)	20	A
MAXIMUM DISCHARGE CURRENT		
Continuous current	300	A
CYCLIC LIFE DATA		
100% DOD @ 25°C. Assuming: Charge - 1C (50Amp) constant current followed by 4.1V constant voltage charge. Charge cut off at 0.5Amps. Discharge - 1C (50Amp) constant current discharge down to 2.75V	5500	cycles (to 80% of initial capacity)
IMPEDANCE		
Measured at 1 kHz	0.55	m
PERFORMANCE & CHARACTERISTICS		
Refer to the technical manual	Li-ion	
DESIGN LIFE		
1000 cycles at average temperature 25°C	10	years
SAFETY		
Installation		
Can be installed and operated in any orientation		
Battery Management		
When cells are connected together the specified operating conditions must be respected for all cells under the control of a suitable battery management system		
Gas Release		
No gas is released under normal operation due to fully sealed construction		
Recycling		
YUASA's Lithium ion batteries must be recycled at the end of life in accordance with local and national laws and regulations		

Data Sheet



3RD PARTY CERTIFICATIONS

ISO 9001 - Quality Management Systems
ISO 14001 - Environmental Management Systems
EN 18001 - OHSAS Management Systems

STANDARDS

IEC62660



Certificate No.
EMS 55229



Certificate No.
FM 10626

ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE
Issue No.: V.1 / Issue Date: January 2014



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