

PRODUCT FEATURES



Lithium Iron Phosphate Technology
 Safe & reliable
 Parallel connection, max. 4 modules
 Long Life Cycle > 1500 cycles
 50% lighter than Lead Acid batteries
 Special BMS for Safety and Cycle use
 UN 38.3 certification - CE Marking

APPLICATIONS



E-Scooters & Bikes (2 / 3 and 4-wheel)
 Material Handling Equipment
 Low Speed Vehicles
 Children's Toys
 Lifts

SPECIFICATIONS



LFP Prismatic Cells	4x 3,2V
Nominal Voltage	12,8V
Capacity	24Ah
Nominal Energy	307Wh
Max. charge voltage	14,6V (29,2 / 43,8 / 58,4V)
Discharge cut-off voltage	9V (18 / 27 / 36V)
Max. charge current	1C = 24 Amp
Max. continuous discharge current	36 Amp
Max. peak (3 sec.) discharge current	80 Amp
Operating temperature	-15°C to + 55°C
Storage temperature	-10°C to + 40°C

NOT TO BE USED IN PARALLEL

DIMENSIONS



Dimensions LxWxH in mm	180 x 76 x 166
Weight	3kg (±2%)
Case and cover	ABS
Terminal	M5 Bolt

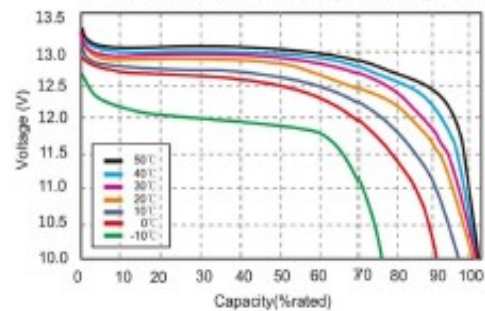
CHARGING



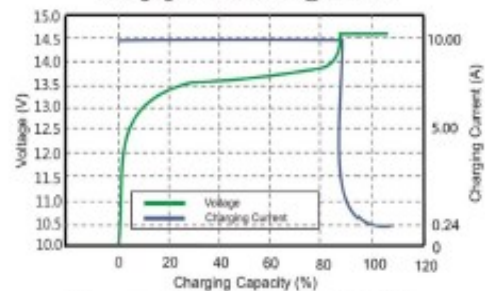
Recommended charging voltage	14,0 ~ 14,6V
Recommended charging current	0,5C = 12 Amp
Charge temperature	0°C to + 45°C



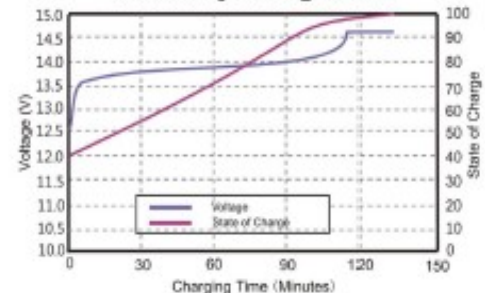
Different Temperature Discharge Curve @0.5C



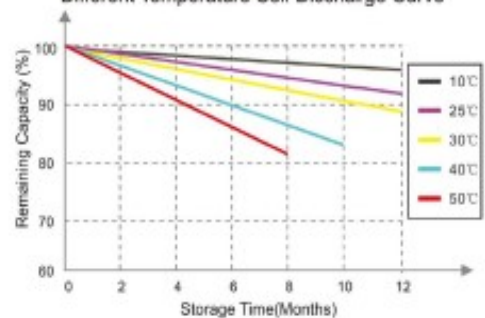
Charging Characteristics @0.5C 25°C



State of Charge Curve @0.5C 25°C



Different Temperature Self Discharge Curve



CYCLE LIFE



To 90% C with 100% DoD >1500
 To 80% C with 80% DoD >3000

