



GET POWER



Technical Specifications

E-RICKSHAW LITHIUM-ION FERRO PHOSPHATE BATTERIES

Model Name	G48050L	G48080L	G48100L	G48160L	G60080L	G60160L	G72240L
	48V-50AH	48V-80AH	51.2V-100AH	51.2V-160AH	60v-100AH	60V-160AH	73.6V-240AH
Chemistry	LFP	LFP	LFP	LFP	LFP	LFP	LFP
Capacity (AH)	50	80	50	160	50	80	240
Number of cell in series	15	15	16	16	19	19	23
Number of cell in parallel	1	1	2	2	2	2	3
Total number of cells	15	15	32	32	38	38	69
Nominal voltage (V)	48	48	51.2	51.2	60	60	73.6
Pack (KWH)	2.5	4.1	5.1	8.2	4.8	9.6	17.66
Operating voltage range (V)	42-54	42-54	45-58	45-58	54-69	54-69	69-83
Charging mode	CC/CV	CC/CV	CC/CV	CC/CV	CC/CV	CC/CV	CC/CV
Recommended charging voltage (V)	54.7	58.4	58.4	58.4	69	69	83
Standard Discharging current (Amp)	30A(Max.)	50A(Max.)	100A(Max.)	100A(Max.)	60A(Max.)	100A(Max.)	112A(Max.)
Pulsed Discharge current (Amp)	60A	100A	312A	300A	100A	312A	300A
Standard charging current (Amp)	15A	30A	30A	30A	27A	27A	45A
BMS type	BMS/PCM						
Cell low cut protection level (V)	2.7						
Cell low cut protection recovery level (V)	3						
Cell high cut protection level (V)	3.75						
Cell high cut protection recovery level (V)	3.6						
Bleeding start voltage level (V)	3.5						
Bleeding current (mA)	70°C ± 5°C						
Over temperature protection in discharging mode	65°C ± 5°C						
Over temperature protection recovery in discharging mode	65°C ± 5°C						
Over temperature protection in charging mode	55°C ± 5°C						
Over temperature protection recovery in charging mode	70°C ± 5°C						
Cell over voltage protection	YES						
Cell under voltage protection	YES						
Charging over current protection	YES						
Discharging over current protection	YES						
Output short circuit protection	YES						
Cell temperature protection in discharging mode	YES						
Maximum working temperature	-0°C + 60°C						
Storage temperature	-0°C + 60°C						
Cycle life @ 80 DOD% Warranty	3 Years						
Module dimension (LXWXH) (in mm)	330x320x181	490x285x230	500x282x242	644x300x255	545x418x190	680x325x265	1100x370x267
Cabinet design	IP65						
Power connector	Anderson Connector (SB-50/SB-75)						
RS485/CAN	Optional in Smart BMS						
Net Weight (Kg) Approx.	25.00	37.00	50.00	67.00	56.00	82.00	105.00
Approval Status							

*Subject to change without prior intimation | *Batteries are customized as per application

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