



LITHIUM ION E-RICKSHAW BATTERY



WITH IN-BUILT
SMART BMS
3500+ LIFE CYCLES AND
MAINTENANCE FREE

AVAILABLE MODELS

DP-5110 - 51.2V 105 Ah
DP-6010 - 60.8V 105 Ah
DP-6015 - 60.8V 150 Ah
DP-6021 - 60.8V 210 Ah

Features



Over Charge
Protection



Over Discharge
Protection



Over Current
Protection



Short Circuit
Protection



High & Low
Temp disconnect

TECHNICAL SPECIFICATION

SAFETY CHARACTERISTICS

- Over-charge/Over-discharge Ability to withstand over-charge/withstand over-discharge, and there is no fire, no exploding and work well
- Short circuit Ability to withstand short circuit, and there is no fire, no exploding
- Acupuncture Ability to withstand nail puncturing, and there is no fire, no exploding
- Thermal shock Ability to withstand thermal shock, and there is no fire, no exploding

ELECTRICAL CHARACTERISTICS

Nominal Voltage	51.2V
Nominal Capacity	105Ah
Battery pack energy	5.355kWh
Impedance (Max. at 1000Hz)	≤ 20mΩ
Expected Cycle Life	More than 3500 cycles

OPERATION CONDITIONS

Charge Method	Constant Current/Constant Voltage (CC-CV)
Max. Charge Voltage	58.4V
Standard Charge Current	20A
Max. Charge Current	50A
Continuous Discharge Current	60A
Peak Instant Discharge Current	120A for 10 Sec
Peak Instant Discharge Time	5 seconds
Discharge Cut-off Voltage	43.2V
Discharge Temperature	-20 °C ~ 60 °C
Storage Temperature	15 °C ~ 35 °C
Height	280±2mm
Width	380±2mm
Length	585±2mm
Weight	~50kg

ITEM	CONTENT	SPECIFICATION
Over Charge Protection	Over charge detection voltage	3.7±0.025V
	Over charge release voltage	3.6±0.025V
	Maximum charge voltage	58.4 ± 0.05V
	Standard charge current	≤ 16A
Over Discharge Protection	Over discharge detection voltage	2.7± 0.025V
	Over discharge detection delay time	.5 - 1.5sec
	Over discharge release voltage	2.6±0.025V
Over Discharge Current Protection	Over current detection current	121±30A
	Detection delay time	200mS
	Release condition	Cut load
	Maximum continuous current	≤ 96A
Short Circuit Protection	Detection condition	Exterior Short Circuit (333A)
	Detection delay time	200uS
	Release condition	Cut short circuit

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