

Electric bus (Vehicle Model 12M)

Model: 576V/260AH BMS: active equalization + heating system



Basic parameters for each battery module

Project name	Specifications	Note
Composing method for each module	12 series connections and 12 parallel connections for each box	22AH for each single battery cell
Nominal capacity	260Ah	
Nominal voltage	DC 38.4V	
Operating voltage range	DC 30V~43.8V	
Nominal power	9.98KWh	
Overall dimensions for model A	765*550*370mm	
Overall dimensions for model B	765*500*370mm	
Standard weight	135kg	Theoretically calculated for reference purpose only
Maximum continuous charging current	260A	Maximum charging current 400A(less than 20min) each single battery will stop charging once its voltage reaches 3.65V
Maximum continuous discharging current	300A	25°C , SOC 50% , 3Min
Peak discharging current	480A	25°C , SOC 50% , 10S
IP protection level	IP54	Needs to have a 40cm fording depth(and with a minimum 20cm chassis ground clearance)
Insulation requirement	> 100MΩ	The positive and negative of module for shell
Discharging temperature	-20°C~60°C	
Charging temperature	-20°C~60°C	
Heating	YES	For details see control strategies
Air cooling	YES	For details see control strategies