



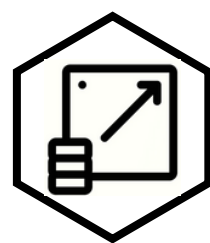
Boson Mega - High Voltage Energy Storage System

76-600V, 100Ah

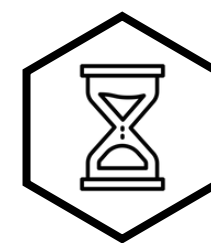
LiFePO₄ Battery expandable upto 1MWh



Reliable LFP
Cells



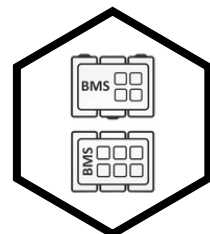
Scalable



>10 Years
design life



Cost
effective

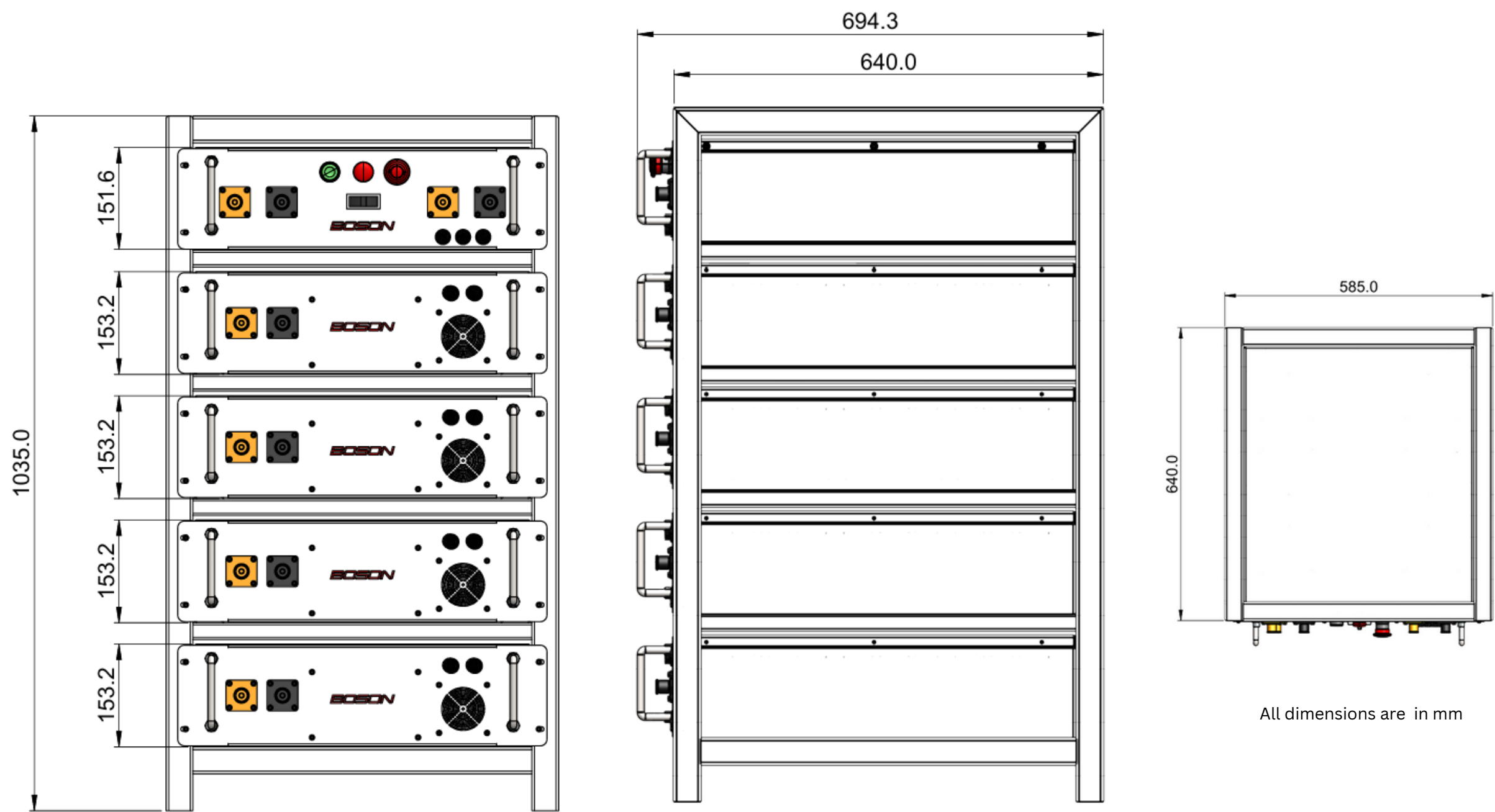


Smart BMS
system



≥6000 cycles

BOSON
RENEWABLES



Cluster specifications

No. of battery packs	1	2	3	4	5	6	7	8
Battery capacity	7.68kWh	15.36kWh	23kWh	30.72kWh	38.4kWh	46kWh	53.76kWh	61.44kWh
Nominal Voltage	76.8V	153.6V	230.4V	307.2V	384V	460.8V	537.6V	614.4V
Voltage range	64.8V - 87.6V	129.6V - 175.2	194.4V - 262.8V	259.2V - 350.4V	324V - 438V	388.8V - 525.6V	453.6V - 613.2V	518.4V - 700V
Nominal disc/char current	50/50 A	50/50 A	50/50 A	50/50 A	50/50 A	50/50 A	50/50 A	50/50 A
Weight**	110 kg	220 kg	330 kg	440 kg	550 kg	660 kg	770 kg	880 kg
Dimensions**	585X500X152 cm	585X500X304 cm	585X500X456 cm	585X500X608 cm	585X500X760 cm	585X500X912 cm	585X500X1064 cm	585X500X1216 cm

Cell Chemistry	LiFePO ₄
Recommended DoD	90%
Communication Interface	RS485/CAN
Cycle life	≥6000 cycles @ 70% SoH
Ingress Protection Class	IP20
Operating Temperature - Charge	0~45 °C
Operating Temperature - Discharge	-20~45 °C

Storage Temperature	0~35 °C
Cooling Type	Forced air cooling
Battery Protections	Over-current Over-voltage Short-circuit Under-voltage Over-charge
Warranty	10 Years
Module & cell compliance	UN 38.3, UL, BIS, IEC

** Weight and dimensions are subject to change depending on capacity of the HV systems.



Boson Renewables Private Limited
68, Vellalar street, Mel Ayanambakkam,
Chennai - 600095, Tamil Nadu, India

+91 8925903929
sales@bosonrenewables.com
www.bosonrenewables.com