

THE FUTURE WILL FULLY
DEPEND ON ELECTRIC VEHICLES
WHICH ARE ECONOMICALLY
AFFORDABLE AND PRODUCES
LESS POLLUTION

BEHAVIOUR
OF A
ELECTRIC
VEHICLE

Electric Motor / Generator Eliminate week insulation points using direct hot spot measurements within stator windings; Improve Motor Performance and No Sudden Breakdown Li-Ion Battery Pack Understanding precise temperature limits of battery cells and their behaviour with temperature ensures the highest battery performance with improved battery life **Charging Port** Tempertaure testing ensures safest and effcient charging plug design capable of handeling high load current even during rapid charging Power cables Temperature testing helps in detecting and rectifying loose joints and wrong terminations of Power Electronics Power cables inside vehicles. Improve mechanical strengh and reduce size of Power Electronics by direct tempertaure

VISUALIZATION TOOL FOR ELECTRIC VEHICLE CHARGE AND RANGE ANALYSIS measurment of the points having limited

UM VEHICLES

access (tiny spaces)

DRIVING BEHAVIOUR

CHARGING STATION

INFORMATION

Charger Type	Charger Connectors*	Rated Voltage (V)	No. of Charging Points/No. of Connector guns (CG)
Fast	CCS (min 50 kW)	200-1000	1/1 CG
	CHAdeMO (min 50 kW)	200-1000	1/1 CG
	Type-2 AC (min 22 kW)	380-480	1/1 CG
Slow/Moderate	Bharat DC-001 (15 kW)	72-200	1/1 CG
	Bharat AC-001 (10 kW)	230	3/3 CG of 3.3 kW each

*In addition, any other fast/slow/moderate charger as per approved BIS standards whenever notified.

