

Modular IGBT Based Mid Voltage Range Li-Ion Pack Tester (MPT)



- Modern design IGBT technology lowers your energy cost
- High power factor – reduce the passive loss
- Cascadable and service friendly – save space, stay flexible
- Added Safety: Circuits electrically isolated from each other and from the mains grid
- Reduce operating cost: Energy feedback to the AC power line during discharge. Sinusoidal Main's regeneration.
- Increase your productivity: Designed for 100 % utilization assuming all circuits at maximum output
- 25kW circuits, parallelable
- $\pm 85A / 370V$ or $\pm 85A / 400V$
- $\pm 100A / 100V$
- Modular and scalable

Sr. No.	Description	
1.0	Supply of Battery Pack Tester Rating: 120V, 100A – 6 Channels in a cabinet	Model: MPT 100-120-6 SCI (E) Qty.1 No
2.0	Battery Manager (BM4) Software Workstation without Host PC	Qty.1 No.
3.0	CAN GUI Software for BMS Integration	Qty.1 No.
	Features Comparison Sheet:	
i.	No. of Channels in one cabinet	6 Channels in a cabinet
ii.	Input Supply to Cabinet	415Vac +/-10%, 50Hz, 3 Phase
iii.	Input KVA	80KVA, Line Current: 110A per cabinet.
iv.	Rated DC output Voltage	120Vdc
v.	Rated DC Output Current	100A (each channel)
vi.	Rated DC Output Power	12KW for Each Channel
vii.	Power Factor (full power)	0.95 @ rated output Power
viii.	THD (full power)	<=5% @ rated output power

i.	Technology	IGBT Active Front End (AFE) + Switch mode (IGBT), Regenerative
ii.	Operating Voltage Range	20V to 120VDC
iii.	Operating Current Range	2A to 100A DC
iv.	Accuracy in % for current & voltage	+/-0.5% of full scale
v.	Resolution	+/-13 bit
vi.	Data Acquisition Rate	100 msec
vii.	Current rising time (10% to 90% of Full scale)	100 msec at rated output voltage
viii.	Switching time between CHA & DCH	10 msec
ix.	Programmable functions	Charge, Discharge, Pause, Interrupt, Ramp, Parallel
x.	Programmable Termination Conditions	Time, Amperes, Voltage, Ah, Wh, Cycles
xi.	Programmable parameters	Constant current, Constant Voltage, Constant watt etc.
xii.	Ambient Temp & Relative Humidity	40 Deg C, 90% RH
xiii.	Installation	Indoor, Acid Free & Dust Free Environment
xiv.	Protection class	IP 20
xv.	Paint Shade	RAL 7032

i.	Panel Dimensions in (W x D x H) in mm	1138 x 980 x 2070 mm
ii.	Weight of Battery Pack Tester	1100KG (Approx.)
iii.	Cable Entry	Bottom of cabinet
iv.	Cooling	1 Fan
v.	DC Output Cables	Included
vi.	Spares Kit	Not Included
vii.	Calibration Service Support	Not included
viii.	Warranty period	24 Months
ix.	Free Preventive Maintenance Service visit during warranty period	Not included