

Cell and Module Tester

1. Specifications

	5V-20A System	5V-100A System	100V-100A System
No. of Equipment's	2	2	1
No of channels	8	4	2
Input	AC220V \pm 10% at 50Hz	AC220V \pm 10% at 50Hz	AC380V \pm 10% at 50Hz
Resolution	16 bit ADC 16 bit DAC	16 bit ADC 16 bit DAC	16 bit ADC 16 bit DAC
Input Impedance	\geq 1M ohm	\geq 1M ohm	\geq 1M ohm
Max V.oltage	5V	5V	100V
Voltage Accuracy	\pm 0.1% of FS	\pm 0.1% of FS	\pm 0.1% of FS
max Current	20A	100A	100 A
Current Accuracy	\pm 0.1% of FS	\pm 0.1% of FS	\pm 0.1% of FS
Power output stability	\pm 0.2% of FS	\pm 0.2% of FS	\pm 0.2% of FS
Max rise time of current	20 ms	20 ms	20 ms
Data log frequency	10 Hz	10 Hz	10 Hz
DCIR Support	Yes	Yes	Yes
Channel Paralleling option	Yes	Yes	Yes
Temperature data log	Yes	Yes	Yes
Charging Modes	CC, CCCV, CP, CV	CC, CCCV, CP, CV	CC, CCCV, CP, CV
Discharging modes	CC, CP, CR	CC, CP, CR	CC, CP, CR

2. Compliance
 - c. All necessary compliances
3. Quality and Inspection Criteria
 - a. Pre-Inspection for agreed charge/discharge/frequency/voltage/capacity test will be done during extended warranty for one year should be quoted.
 - b. Life expectancy- 10 yrs
 - c. 1 Years Warranty
 - d. Machine Uptime >98%
 - e. AMC after warranty period to be quoted during bidding process separately. (It is mandatory for vendor to quote for AMC)
4. No. of Units to be Purchased
 - a. **5V-20A System** 8 Channel – 2 Nos
 - b. **5V-100A System** 4 Channel – 2 Nos

c. **100V-100A System 2 Channel – 1 No**