**SMU Specifications**

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| **Sr.No** | **Feature** | **Specification** |
|  | **Voltage Source and measure ranges** | **200mV to 100V** |
|  | **Voltage resolution** | **Measure : 100 nV**  Source: 5µV. |
|  | Current Source and measure range | Dc: 1µA to 7A, Pulse 10A |
|  | **Current resolution** | **Measure : 10 pA**  Source: 50 pA. |
|  | Voltage Accuracy | **Source : 0.015% + 200 μV** @ 200 mV  Measure : **0.012% + 200 μV** @ 200 mV |
|  | Current accuracy | Source 0.025% + 1nA @ 1 µA  Measure 0.025% + 700 pA @ 1 µA |
|  | **Total power** | **DC: 100W. Pulse mode: 1000W** |
|  | **Digitizer** | **1 MSamlpe, 18 Bit** |
|  | Resistance measurement range | 2-20 Mohm |
|  | Sweep types | Linear, log, Dual Linear, Dual Log, Custom, Source Memory mode |
|  | **Internal buffer** | **250000 point breading buffer** |
|  | Programming interfaces supported | USB, GPIB, Ethernet ( LXI), TSP |
|  | **Software feature** | **Software should support, Iv measurement, cyclic voltammetry like feature.** |