

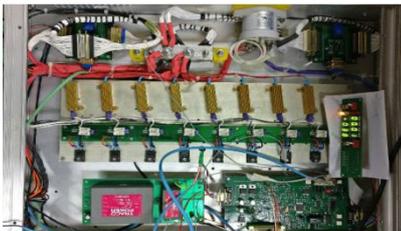
High Power Source Sink Battery Simulator

U R Rao Satellite Centre (URSC) of Indian Space Research Organisation (ISRO) has developed High Power Source Sink Battery simulator to feed high power (Upto 4KW).



Salient Features

- ✦ Bi-directional DC power supply is realized using off-the-shelf Source and Electronic load with custom designed control unit.
- ✦ Features seamless transition between source and sink mode and scalability of source and sink current by selecting DC source and Electronic load.



Major Specifications

Parameter	Specifications
Voltage Range	28 to 42V
Source Current	Up-to 100 A
Sink current	Up-to 40A
Source-Sink and Sink-Source transition	
- Over-shoot / under-shoot	< 2V
- Settling Time	<5 mS
Over Voltage	>48V
Under voltage protection	<24V
Voltage regulation up to load end	Using remote sense.
Remote interface	RS485
Voltage Range	28 to 42V

Technology Transfer

URSC/ISRO offers to transfer of High power source sink battery simulator developed by URSC to industries in India with adequate experience and facilities. Industries interested in obtaining knowhow may write giving details of their present activities, infrastructure and facilities.

Technology Transfer & Industry Coordination Division (TTID),
Programme Planning and Evaluation Group (PPEG),

📍 U R Rao Satellite Centre (URSC), ISRO, HAL Airport Road,
Vimanapura Post, Bangalore – 560 017.

✉ Email-id: tt-icd@ursc.gov.in

☎ Fax No: 080-25205261

🌐 <https://www.ursc.gov.in/industry/index.jsp>