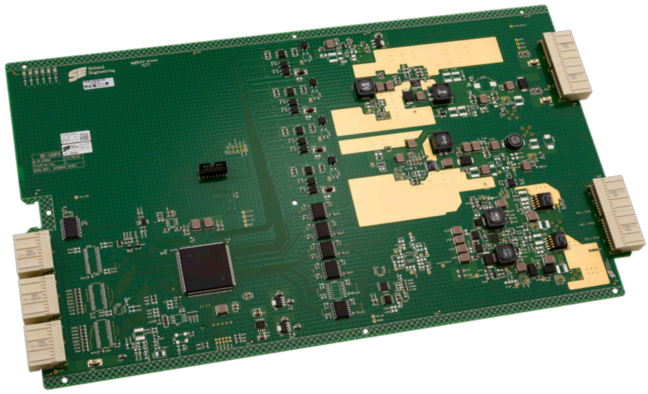
SALLAND Engineering
Test Technology Center

SE-UDPS

Utility Device Power Supply
for V93k



Additional Power Density

- 4 channels per board
- Add up to 8 boards per large test head
- Mix with any other DPS

Reduce Your Cost of Test

- Extends capabilities of your existing fleet of V93K testers
- Improves resource utilization
- Faster design times
- Easy to use
- Reduced cost of load boards

Applications

- Power supply for additional electronics on the load board like: op-amps, buffers, relays, switches, etc.

High Reliability

- Salland has proven track record for reliable, high density ATE upgrades
- Support available from Advantest

Upgrade the Capabilities of your V93k

Load boards for applications like mixed signal, analog and RF require active components. The SE-UDPS from Salland Engineering is an economical way of adding more power supplies to your V93K to drive op-amps, buffers, relays and switches.

Advantages

The SE-UDPS extends the usefulness of your current fleet of V93Ks. You can also minimize the need to add external power supplies on your load boards. Using the SE-UDPS enables:

- Better use of resources
- Faster design times
- Lower cost of load boards

Description

Four supply voltages are provided on a board:

- 1 each +5V, 3A
- 1 each +12V, 1A
- 1 each +15V, 1A
- 1 each +15V, 850mA

SALLAND Engineering
Test Technology Center

Any DPS slot can be used and the SE-UDPS can be mixed with any other device power supply in the test head. The maximum number of boards allowed is 2, 4 or 8 for the compact, small and large test heads respectively.

Other Performance Characteristics

- Outputs are filtered to reduce noise
- Kelvin connections for each power line (DPS channel)
- Reuse existing GP-DPS/Koa pogo cable
- Default power up sequence is:
  +5V, +12V, +15V, -15V
- On/Off detection when DUT board is removed
- Support of continuous short circuit/ over-current protection
- No software control

Reputation for Quality, Reliability and Support

Salland is respected by demanding semiconductor manufacturers, OSATs, and ATE vendors for delivering outstanding instruments that are fully compatible with leading ATE platforms. SE-UDPS is supported by Salland Engineering on a worldwide basis.

Advantest also sells and supports SE-UDPS under the product number: E7002US.

Specifications for Voltages

Range	Max. Current	Accuracy
+5V	3A	± 2%
+12V	1A	± 2%
+15V	1A	± 2%
-15V	850mA	± 2%

Power-ON settling times

With 47 µF external capacitive load

Voltage (Force)	Settling Time
+5V	2ms
+12V	6ms
+15V	3ms
-15V	3ms

Salland Engineering is an international leading Test Technology & Engineering company specialized in solutions & services that enable semiconductor manufacturers to achieve Lower cost of test, Higher quality and reliability, Improved test floor efficiencies, Faster time to market and Streamlined supply chain. Salland Engineering is in business since 1992, headquartered in Zwolle – The Netherlands, and operates worldwide.

- Supply Chain services from **prototyping**, **manufacturing** up to **repair service** for **advanced measurement** solutions **on site** in The Netherlands
- **ISO 9001:2015** certified