Elektro-Automatik

Multi-Channel Electronic Load with Energy-Recovery Function, Series EA-ELR 5000 6U

Why should I choose for an ELR 5000 6U?

Advantages:

- Energy-Recovery Function: The energy drawn from the EUT/DC source connected is converted into a mains-synchronous AC voltage and fed back into the local grid with an efficiency of up to 92%.
- Fast amortization: Owing to the mains feed-back function and specifically when under continuous operation, an ELR 5000 6U may be fully amortized within e.g. 36 months.
- Energy-Recovery Electronic load series ELR 5000 6U is a device intended for general industrial and laboratory operation and therefore does not fall under the regulations of Electric Power Generation and Distribution as stated in e.g. German Power Utility Standard VDE-AR-N 4105, which significantly eases their installation and usage. For usage on autarkic sources (e.g. batteries), an ENS (grid monitor) is optionally available
- Auto-ranging Input: The auto-ranging input function allows to power a large number of devices (EUTs) with numerous different nominal voltages
- Flexible multi-channel system: Up to 10 channels (equal or mixed) may be provided with load modules of 0-80V or 0-200V. Retrofitting/system extension can be arranged by the user at any time
- Highly isolated structure, therefore much less sensitive against disturbances under operation (high electro-magnetic immunity to industrial environment standard, high reliability)
- EMI compliant to EN 61000-6-3, EN 55022 class B (meets EMI requirement for residential-, commercial- and light-industrial environment)
- Standard on-board 2-way Interface (USB and Ethernet)
- TFT Touch Display with 64.000 colours, integrated sequence generator
- High-performance FPGA (Field-Programmable-Gate-Array Lattice ECP3LFE17EA) allowing up to 10 times faster programming-reaction time
- High resolution of up to 16 Bit (very fine programming and read-back steps)
- High accuracy
- Professional user/control software for up to 20 devices (license fee applies)
- Safety compliant to IEC/EN 61010