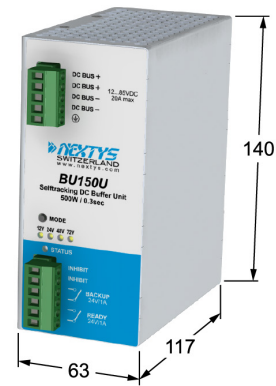


BU150U – Universal Input Range, 500W / 0.3s Joule Buffer Module

- Wide voltage range (12-85Vdc)
- DC bus voltage self tracking
- Multiple protections
- Digital regulation
- Reliable topology, based on standard electrolytic capacitors
- Compact size



For reference only

TECHNICAL DATA

BU150U	
OUTPUT DATA	
Voltage Unom	Same as Input – 1V (12/24/48/72Vdc – 1V)
Continuous Output current	20A
Max duration of the Output Voltage Load = 20A	600ms / 12V 300ms / 24V 150ms / 48V 75ms / 72V
Ripple @ I Max	< 250mVpp / 24Vdc
Overload / Short circuit protection	Active - One Shot
Overvoltage protection	Active
Status Signals	DC OK – green LED OVERLOAD – red LED Dry contact 1A / 24Vdc
INPUT DATA	
Voltage range	Nominal: 12/24/48/72Vdc - Auto detection
Input current	Max 20A
GENERAL DATA	
Operating modes	AUTO: follows the SMPS Output voltage
User settable by front button	Fixed Output voltage (12/24/48/72Vdc)
Control	CPU
Operating temperature	- 20°C...+ 70°C
Storage temperature	- 20°C...+ 85°C
Humidity	Max RH 95% non condensing
Cooling	Natural convection
Input / ground isolation	0.75kVdc
Safety standards	Compliant to UL508, CE marking
EMC Standards	EN55011 (radiated emission), EN55011 (conducted emission)
Protection degree	IP20 acc. to EN60529
Connection terminals	2.5mm ² , screw type pluggable (24...12AWG)
Case material	Aluminum
Approx. Weight	0.800kg
Size (W x H x D)	63.0 x 140.0 x 117.0mm
Mounting rail	IEC 60715/H15/TH35-7.5(-15)
Rail mounting information	Vertical, allow 20mm spacing between adjacent items