



PORTABLE RESISTIVE 28.5 V DC LOAD BANKS - DIGITAL USB

SPECIFICALLY DESIGNED RUGGED UNITS USED FOR THE TESTING AND SERVICING OF 28.5 V DC GPUs



TECHNICAL SPECIFICATION	DLB-03DU	DLB-ESS-15DU	DLB-ESS-20DU	DLB-ESS-25DU		
VOLTAGE [V]	28.5 V DC ± 10 %					
LOAD REGIME OPTIONS [A]	300 A ± 20 %	300 A OR 600 A CONTINUOUS & 1500 A ± 20 % ESS PROCEDURE	300 A OR 600 A CONTINUOUS & 2000 A ± 20 % ESS PROCEDURE	300 A CONTINUOUS OR 1400 A, 2500 A ± 20 % ESS PROCEDURE		
LOAD TEST PROCEDURE TYPE	/	CONTINUOUS AND ENGINE START SIMULATION (ESS) IN DURATION OF 35 SECONDS DECREASING				
LOAD TEST SPECIFICATION AT 28.5 V DC [CONTINUOUS & DECREASING]	/	SEQUENCE OF 6 STEPS ENGINE START SIMULATION Step 1: 1500 A for ±01 seconds Step 2: 1200 A for ±03 seconds Step 3: 1000 A for ±06 seconds Step 4: 800 A for ±10 seconds Step 5: 700 A for ±10 seconds Step 6: 400 A for ±05 seconds	SEQUENCE OF 6 STEPS ENGINE START SIMULATION Step 1: 2000 A for ±01 seconds Step 2: 1700 A for ±03 seconds Step 3: 1200 A for ±06 seconds Step 4: 1000 A for ±10 seconds Step 5: 700 A for ±10 seconds Step 6: 400 A for ±05 seconds	SEQUENCE OF 6 STEPS ENGINE START SIMULATION Step 1: 2500 A for ±01 seconds Step 2: 1900 A for ±03 seconds Step 3: 1300 A for ±06 seconds Step 4: 1000 A for ±10 seconds Step 5: 700 A for ±10 seconds Step 6: 400 A for ±05 seconds		
LOAD TEST SPECIFICATION AT 28.5 V DC CONTINUOUS [SELECTED MANUALLY]	300 A CONTINUOUS LOAD	300 A CONTINUOUS LOAD 600 A CONTINUOUS LOAD	300 A CONTINUOUS LOAD 600 A CONTINUOUS LOAD	300 A CONTINUOUS LOAD		
DECREASING ESS [SELECTED MANUALLY]	/	1500 A DECREASING ESS	2000 A DECREASING ESS	1400 A or 2500 A DECREASING ESS		
FORCED AIR COOLING [m³/min & CFM]	22.05 m³/min - 780 CFM	44.10 m³/min - 1560 CFM	44.10 m³/min - 1560 CFM	44.10 m³/min - 1560 CFM		
MEASUREMENTS & INDICATIONS						
DIGITAL POWER METER PARAMETERS USB INTERFACE SPECIFICATIONS	3 LINE HIGH BRIGHTNESS RED LED DISPLAY CLASS: ±0.5 % FS +2C; DISPLAYED: V / A / kW USB PLUG IN CONNECTION FOR DATA PRINTOUT / ARCHIVE, INCLUDING FREE DEKAL LICENSED SOFTWARE AND USB CABLE					
LIGHT INDICATION	28.5 V DC POWER INDICATION, FAILURE INDICATOR					
GPU TESTING PROCEDURE AND ENGINE DECARBONISING PROPOSAL (*)	*LOAD 300 A for ±30 minutes	*LOAD 300 A or 600 A ±30 / 15 minutes ESS in 6 STEPS 100%→0% ±35 seconds	*LOAD 300 A ±30 minutes or ESS in 6 STEPS 100%→0% ±35 seconds			
OPERATING TEMPERATURE [°C / °F]	FROM -20 °C TO 55 °C / FROM -4 °F TO 122 °F					
NOISE LEVEL [dB] AT DISTANCE [m / Ft]	<70 dB(A) AT THE DISTANCE OF 7m / 23Ft					
DIMENSIONS & WEIGHT						
LOAD BANK SIZE [L x W x H] mm / Kg LOAD BANK SIZE [L x W x H] In / Lbs	570 x 230 x 450 / 18 22.5 x 9 x 18 / 39	570 x 230 x 450 / 20 22.5 x 9 x 18 / 44	570 x 230 x 450 / 25 22.5 x 9 x 18 / 55	570 x 230 x 450 / 26 22.5 x 9 x 18 / 57		
TRANSPORT CASING [L x W x H] mm / Kg TRANSPORT CASING [L x W x H] In / Lbs	620 x 280 x 690 / 17 24.4 x 11 x 27.2 / 37	620 x 280 x 690 / 17 24.4 x 11 x 27.2 / 37	620 x 280 x 690 / 17 24.4 x 11 x 27.2 / 37	620 x 280 x 690 / 17 24.4 x 11 x 27.2 / 37		
LOAD BANK PAINTING / TRANSPORT CASING	FINE POWDER COATING STRUCTURE DRYLAC® 29_80081 / ALUMINIUM FRAME WITH BLACK LAMINATED PLYWOOD PANEL					

Including transport carrying case per unit / All specifications are subject to change without further notice

ADVANTAGES of 28.5V DC LOAD BANK

- **Simple operation** suitable for non-trained operators and personnel; no maintenance required
- Suitable for **workshop or airside** operation; silent unit rated at <70 dB(A) at 7m / 23ft
- **Digital load banks do not require any further calibration process once delivered**
- **Free DEKAL licensed software application & proper drivers included**
- **All measurements possible to archive & printout, including diagram graphics**
- **In accordance & fully complied with AFI 33-115 volume 2, Certified by: SAFIA6C**
- 28.5 V DC 3-Pole receptacle **in accordance with NATO & MIL-C-81790** specification
- **Continuous load test and pre-programmed decreasing Engine Start Sequence (ESS) simulation**
- **Customized options in accordance with your 28.5 V DC requirements available on demand**
- Housing made of **non-corrosive parts with component quality control** by the manufacturer
- **High reliability with multiple thermal protection** - extremely resistant to high temperature
- **Extra safety and isolated jack sockets** for connecting external voltage measuring device
- **Short worldwide delivery period** with tracking feature and insurance for all products
- Spare parts availability and **accurate on-time deliveries** by appointed courier
- **Transport casing** with pull up handle as standard for every load bank manufactured
- **2 years full warranty with extension option** for all DEKAL load banks
- CE certification - health, safety, and environmental protection standards
- Made for GPU's testing procedure according to ISO 6858, DFS 400, ARP 5015
- Classification CE marking, DIN, VDE, IEC, IP 21 protection rate level
- Customs classification **Harmonized System tariff code HS: 8516808000**

