



DEKAL LOAD BANKS®

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PORTABLE RESISTIVE 28.5 V DC LOAD BANKS - DIGITAL WiFi & USB

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



TECHNICAL SPECIFICATION	DLB-03DW	DLB-ESS-15DW	DLB-ESS-20DW	DLB-ESS-25DW
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 WiFi & USB INTERFACE SPECIFICATIONS	3 LINE HIGH BRIGHTNESS RED LED DISPLAY CLASS: ±0.5 % FS +2C; DISPLAYED: V / A / kW WiFi NETWORK & USB PLUG IN CONNECTION FOR DATA PRINTOUT / ARCHIVE, INCLUDING FREE DEKAL LICENSED SOFTWARE, 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	570 x 230 x 450 / 18	570 x 230 x 450 / 20	570 x 230 x 450 / 25	570 x 230 x 450 / 26
LOAD BANK SIZE [L x W x H] In / Lbs	22.5 x 9 x 18 / 39	22.5 x 9 x 18 / 44	22.5 x 9 x 18 / 55	22.5 x 9 x 18 / 57
TRANSPORT CASING [L x W x H] mm / Kg	620 x 280 x 690 / 17	620 x 280 x 690 / 17	620 x 280 x 690 / 17	620 x 280 x 690 / 17
TRANSPORT CASING [L x W x H] In / Lbs	24.4 x 11 x 27.2 / 37	24.4 x 11 x 27.2 / 37	24.4 x 11 x 27.2 / 37	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



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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 and proper drivers included**
- **All measurements possible to archive and printout, including diagram graphics**
- **In accordance & fully complied with AFI 33-115 volume 2, Certified by: SAF/A6C**
- 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**



NCAE CODE: 1267Q

