

# DEKAL LOAD BANKS®

DEKAL POWER LLC  
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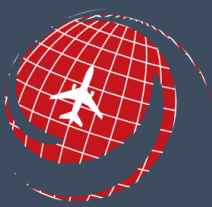
## PORTABLE RESISTIVE 28.5 V DC LOAD BANKS - ANALOG PANEL

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



| TECHNICAL SPECIFICATION   | DLB-03AP  | DLB-ESS-15AP  | DLB-ESS-20AP   | DLB-ESS-25AP   |
|---|---|---|--|--|
| VOLTAGE [V]   | 28.5 V DC $\pm$ 10 %  |   |  |  |
| LOAD REGIME OPTIONS [A]   | 300 A $\pm$ 20 %  | 300 A OR 600 A CONTINUOUS & 1500 A $\pm$ 20 % ESS PROCEDURE   | 300 A OR 600 A CONTINUOUS & 2000 A $\pm$ 20 % ESS PROCEDURE  | 300 A CONTINUOUS OR 1400 A, 2500 A $\pm$ 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<br>ENGINE START SIMULATION<br><br>Step 1: 1500 A for $\oplus$ 01 seconds<br>Step 2: 1200 A for $\oplus$ 03 seconds<br>Step 3: 1000 A for $\oplus$ 06 seconds<br>Step 4: 800 A for $\oplus$ 10 seconds<br>Step 5: 700 A for $\oplus$ 10 seconds<br>Step 6: 400 A for $\oplus$ 05 seconds | SEQUENCE OF 6 STEPS<br>ENGINE START SIMULATION<br><br>Step 1: 2000 A for $\oplus$ 01 seconds<br>Step 2: 1700 A for $\oplus$ 03 seconds<br>Step 3: 1200 A for $\oplus$ 06 seconds<br>Step 4: 1000 A for $\oplus$ 10 seconds<br>Step 5: 700 A for $\oplus$ 10 seconds<br>Step 6: 400 A for $\oplus$ 05 seconds | SEQUENCE OF 6 STEPS<br>ENGINE START SIMULATION<br><br>Step 1: 2500 A for $\oplus$ 01 seconds<br>Step 2: 1900 A for $\oplus$ 03 seconds<br>Step 3: 1300 A for $\oplus$ 06 seconds<br>Step 4: 1000 A for $\oplus$ 10 seconds<br>Step 5: 700 A for $\oplus$ 10 seconds<br>Step 6: 400 A for $\oplus$ 05 seconds |
| LOAD TEST SPECIFICATION AT 28.5 V DC CONTINUOUS [SELECTED MANUALLY] | 300 A CONTINUOUS LOAD   | 300 A CONTINUOUS LOAD<br>600 A CONTINUOUS LOAD  | 300 A CONTINUOUS LOAD<br>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 [m <sup>3</sup> /min & CFM]                      | 22.05 m <sup>3</sup> /min - 780 CFM   | 44.10 m <sup>3</sup> /min - 1560 CFM  | 44.10 m <sup>3</sup> /min - 1560 CFM   | 44.10 m <sup>3</sup> /min - 1560 CFM   |
| <b>INDICATIONS</b>  |   |   |  |  |
| ANALOG VOLT METER<br>ANALOG AMPERE METER                            | VOLT METER - MOVING IRON CLASS 1.5<br>AMPERE METER - MOVING IRON CLASS 1.5                          |   |  |  |
| LIGHT INDICATION  | 28.5 V DC POWER INDICATION, FAILURE INDICATOR   |   |  |  |
| GPU TESTING PROCEDURE AND ENGINE DECARBONISING PROPOSAL (*)         | *LOAD 300 A for $\oplus$ 30 minutes   | *LOAD 300 A or 600 A $\oplus$ 30 / 15 minutes<br>ESS in 6 STEPS 100% $\rightarrow$ 0% $\oplus$ 35 seconds   | *LOAD 300 A $\oplus$ 30 minutes or ESS in 6 STEPS 100% $\rightarrow$ 0% $\oplus$ 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  |   |  |  |
| <b>DIMENSIONS &amp; WEIGHT</b>                                      |   |   |  |  |
| 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
- **Environmental operating temperature** from -20 °C to 55 °C / -4 °F to 122 °F
- 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**

