

**DEKAL  
LOAD BANKS®**

DEKAL LOAD BANKS \* DEKAL AGREGATI LLC  
UL. LUDVIKA PLAMBERGERJA 25  
SI-2204 MIKLAVZ NA DR. POLJU  
SLOVENIA \* EU



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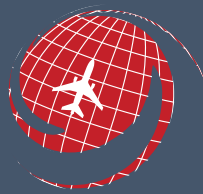
## PORTABLE RESISTIVE 28.5 V DC LOAD BANKS - DIGITAL PANEL

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



TECHNICAL SPECIFICATION	DLB-03DP	DLB-ESS-15DP	DLB-ESS-20ADP	DLB-ESS-25DP
VOLTAGE [V]	28.5 V DC $\pm$ 20 %			
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	/	AIRCRAFT 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 $\phi$ 1 second Step 2: 1200 A for $\phi$ 3 seconds Step 3: 1000 A for $\phi$ 10 seconds Step 4: 800 A for $\phi$ 20 seconds Step 5: 700 A for $\phi$ 30 seconds Step 6: 400 A for $\phi$ 35 seconds	SEQUENCE OF 6 STEPS ENGINE START SIMULATION  Step 1: 2000 A for $\phi$ 1 second Step 2: 1700 A for $\phi$ 3 seconds Step 3: 1200 A for $\phi$ 10 seconds Step 4: 1000 A for $\phi$ 20 seconds Step 5: 700 A for $\phi$ 30 seconds Step 6: 400 A for $\phi$ 35 seconds	SEQUENCE OF 6 STEPS ENGINE START SIMULATION  Step 1: 2500 A for $\phi$ 1 second Step 2: 1900 A for $\phi$ 3 seconds Step 3: 1300 A for $\phi$ 10 seconds Step 4: 1000 A for $\phi$ 20 seconds Step 5: 700 A for $\phi$ 30 seconds Step 6: 400 A for $\phi$ 35 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
[CONTINUOUS - 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>MEASUREMENTS &amp; INDICATIONS</b>				
DIGITAL PANEL VOLT METER DIGITAL PANEL AMPERE METER	VOLT METER 1% ACCURACY, WIDE VIEWING ANGLE, PROGRAMMABLE DYNAMIC BACKGROUND COLOUR (Green, Red, White) AMPERE METER 1% ACCURACY, WIDE VIEWING ANGLE, PROGRAMMABLE DYNAMIC BACKGROUND COLOUR (Green, Red, White)			
LIGHT INDICATION	28.5 V DC POWER INDICATION, FAILURE INDICATOR			
GPU TESTING PROCEDURE AND ENGINE DECARBONISING PROPOSAL(*)	*LOAD 300A for $\phi$ 30 minutes	*LOAD 300 A or 600 A $\phi$ 30 / 15 minutes ESS in 6 STEPS 100% $\rightarrow$ 0% $\phi$ 35 seconds		*LOAD 300 A $\phi$ 30 minutes or ESS in 6 STEPS 100% $\rightarrow$ 0% $\phi$ 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 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	POWDER COATING FINE STRUCTURE 71319 IGP, SWISS QUALITY / HIGH GRADE ALUMINUM			

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



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## ADVANTAGES OF DEKAL LOAD BANKS

- ▶ **Simple operation** suitable for non-trained operators
- ▶ **Silent operations** < 70 dB(A) at the distance of 7m / 23Ft
- ▶ Suitable for **workshop and/or airside operation**
- ▶ **Environmental operating temperature** from -20 °C to 55 °C / -4 °F to 122 °F
- ▶ **Transport casing** with pull up handle as standard for each load bank
- ▶ **The next generation of load bank data indicator measurements**
- ▶ **Programmable** dynamic background colour (**Green, Red, White**)
- ▶ **Effective way of monitoring and displaying measurement data**
- ▶ **High instrument indication accuracy**
- ▶ Triple thermal protection - **extremely resistant** to high temperature
- ▶ **Cant protection** - load bank works only in horizontal position
- ▶ Aluminum housing and **non-corrosive parts**
- ▶ **High component quality control** by manufacturer
- ▶ **High reliability** - effective standardization process
- ▶ Isolated jack sockets - **unique user friendly safety feature** for external voltage test
- ▶ Spare parts availability and **accurate on-time deliveries**
- ▶ **Short worldwide delivery period** with tracking feature & insurance
- ▶ **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



NCAGE CODE: 1267Q



Excellent SME



Creditworthiness Rating

