



- ① Series name
- ② Output wattage
- ③ Universal input
- ④ V1 Output voltage
- ⑤ V2 Output voltage
- ⑥ Optional \*1
- G : Low leakage current
- R : with Remote ON/OFF
- S : with Chassis
- SN : with Chassis & cover
- T : Vertical terminal block
- Y : with Potentiometer
- Z : with ZT

MODEL	LEB225F-0512	LEB225F-0324	LEB225F-0524	LEB225F-0530	LEB225F-0536
DC OUTPUT	V1 +5V 5A V2 +12V 10(Peak 20)A	+3.3V 5A +24V 9(Peak 14)A	+5V 5A +24V 9(Peak 14)A	+5V 5A +30V 7.2(Peak 11)A	+5V 5A +36V 6(Peak 9.3)A

## SPECIFICATIONS

MODEL	LEB225F-0512	★LEB225F-0324	LEB225F-0524	★LEB225F-0530	★LEB225F-0536
<b>INPUT</b>	AC85 - 264 1 φ or DC 120 - 370				
CURRENT[A]	ACIN 100V	1.9typ (Io=100%)	3.0typ (Io=100%)		
	ACIN 200V	1.0typ (Io=100%)	1.5typ (Io=100%)		
FREQUENCY[Hz]	50/60 (47 - 63) or DC				
EFFICIENCY[%]	ACIN 100V	77typ (Io=100%)	81typ (Io=100%)	81typ (Io=100%)	81typ (Io=100%)
	ACIN 200V	79typ (Io=100%)	83typ (Io=100%)	83typ (Io=100%)	83typ (Io=100%)
POWER FACTOR	ACIN 100V	0.98typ	0.99typ		
	ACIN 200V	0.93typ			
INRUSH CURRENT[A]	ACIN 100V	15typ (Io=100%) (More than 3sec.to re-start)			
	ACIN 200V	30typ (Io=100%) (More than 3sec.to re-start)			
LEAKAGE CURRENT[mA]	0.75max (60Hz, According to IEC60950 and DEN-AN)				
VOLTAGE[V]	+5	+12	+3.3	+24	+5
	+30	+36			
CURRENT[A]	*2 0 - 5	0 - 10 (Peak 20)	0 - 5	0 - 9 (Peak 14)	0 - 5
	0 - 7.2 (Peak 11)	0 - 6 (Peak 9.3)			
TOTAL OUTPUT WATTAGE[W]	*3 145 (Peak 265)	225 (Peak 345)	225 (Peak 345)	225 (Peak 345)	225 (Peak 345)
LINE REGULATION[mV]	20max	48max	20max	96max	20max
LOAD REGULATION[mV]	40max	100max	40max	150max	40max
RIPPLE[mVp-p]	0 to +40°C *4	80max	120max	80max	120max
	-10 - 0°C *4	140max	160max	140max	160max
RIPPLE NOISE[mVp-p]	0 to +40°C *4	120max	150max	120max	150max
	-10 - 0°C *4	160max	180max	160max	180max
TEMPERATURE REGULATION[mV]	0 to +40°C	50max	120max	50max	240max
	-10 to +40°C	60max	150max	60max	290max
DRIFT[mV]	*5 20max	48max	20max	96max	20max
START-UP TIME[ms]	*6 250max	500max	250max	500max	250max
HOLD-UP TIME[ms]	*6 40typ	20typ	40typ	20typ	40typ
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	4.5 - 5.5	Fixed	2.85 - 3.60	Fixed	4.5 - 5.5
OUTPUT VOLTAGE SETTING[V]	—	11.5 - 12.5	—	23.0 - 25.0	—
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	V1	Works over 105% of rating current and recovers automatically		
		V2	Works over 101% of peak current and recovers automatically		
	OVERVOLTAGE PROTECTION	V1	Works over 115% of rating, by zener diode clamping		
		V2	Works at 115 - 140% of rating		
	REMOTE ON/OFF	Option (Refer to Instruction Manual)			
ISOLATION	INPUT-OUTPUT - RC	*7	AC3.000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)		
	INPUT-FG		AC2.000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)		
	OUTPUT - RC-FG	*7	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)		
	OUTPUT-OUTPUT(V1 - RC-V2)	*7	AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩ min (At Room Temperature)		
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-10 to +70°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max			
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max			
	VIBRATION	10 - 55Hz, 19.6m/s <sup>2</sup> (2G), 3minutes period, 60minutes each along X, Y and Z axis			
	IMPACT	196.1m/s <sup>2</sup> (20G), 11ms, once each X, Y and Z axis			
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS	UL1950, C-UL, EN60950, VDE0160 Complies with DEN-AN and IEC60950 (At only AC input)			
	CONDUCTED NOISE	Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B			
	HARMONIC ATTENUATOR	Complies with IEC61000-3-2			
OTHERS	CASE SIZE/WEIGHT	95 x 45 x 222mm (W x H x D) /700g max (without chassis and cover)			
	COOLING METHOD	Convection			

\*1 Specification is changed at option, refer to Instruction Manual 5.  
 \*2 Peak loading for 10sec. And Duty 35% max, refer to Instruction Manual 4. In detail.  
 \*3 Refer to Instruction Manual 2.2 in detail.  
 \*4 This is the value that measured on measuring board with capacitor of 22 μF within 150mm from output terminal. Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM101).  
 \*5 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C,

with the input voltage held constant at the rated input/output.  
 \*6 ACIN 100V, Io=100%  
 \*7 Applicable when remote control (optional) is added.  
 \* Series/Parallel operation is not possible.  
 \* Derating is required when operated with chassis and cover.  
 \* A sound may occur from power supply at peak loading.  
 ★marked models are pending for safety approvals. Consult with us for delivery.