

DRM40

SPECIFICATIONS

PA639-01-01

ITEMS		MODEL	DRM40
1	Input Voltage Range	VDC	10 -30
2	Nominal Input Voltage Range	VDC	12 - 28
3	Input number	-	2 (IN1,IN2)
4	Maximum Input Current		2 x 20A
5	Peak Input Current (*2)		2 x 30A
6	Maximum Output Current	A	40
7	Peak Output Current (*3)	A	60
8	Internal Loss (typ) (*1)	W	8 (Iout=40A)
9	Voltage drop (typ),input to output (*1)	mV	200 (Iout=40A)
10	Reverse polarity Protection (max)	VDC	40
11	Over Current Protection	-	-
12	Over Voltage Protection	-	-
13	Operating Temperature (*4)	-	-40~+70°C
14	Operating Humidity	-	5~95%RH (No dewdrop)
15	Storage Temperature	-	-40°C ~ +85°C
16	Storage Humidity	-	5~95%RH (No dewdrop)
17	Cooling	-	Convection Cooling
18	Monitoring Signal (*5)		(A) DC OK Relay x 2, DC OK LED(GREEN) x 2 (B) BALANCE OK LED (GREEN)
19	Withstand Voltage	-	Input, Output - FG : 707VDC (20mA) for 1min
20	Isolation Resistance	-	Input, Output - FG : 500VDC More than 100MΩ (500VDC) at 25°C and 70%RH
21	Vibration	-	At no operating, 10 - 55Hz (sweep for 1min) 19.6m/s ² (2G) Constant, X, Y, Z 1hour each.
22	Shock	-	Less Than 196 m/s ² (20G)
23	Operating Altitude	m	5000
24	Safety	-	Approved by UL60950-1, CSA22.2 No. 60950-1-07 IEC/EN60950-1, UL 62368-1, CSA C22.2 No. 62368-1-14, IEC/EN 62368-1, CSA C22.2 No.107.1-16, UL508
25	CE		LVD, RoHS 2, EMC
26	EMI		Designed to meet EN55032-B,CISPR32-B,EN61204-3 CLASS A
27	Immunity		Designed to meet EN61000-4-2 (Level 3,4), -3 (Level 3), -4 (Level 3), -5 (Level 2), -6 (Level 3), -8 (Level 3)
28	Weight (typ.)	g	330
29	Size (W x D x H)	mm	35 x 125 x 124 (Refer to Outline drawing)

* Read instruction manual carefully , before using the product.

=NOTES=

*1. Ta = 25°C, maximum input current.

*2. Operating period at peak input current is 4sec. max, duty ≤ 0.35, 20Arms max.

*3. Operating period at peak output current is 4sec. max, duty ≤ 0.35, 40Arms max.

*4. Refer to Output Derating Curve (PA639-01-02_) for details of output derating versus ambient temperature.

*5. Please refer to instruction manual for more details.

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PA639-01-02

DERATING CURVE

***COOLING : CONVECTION COOLING**

Ta (°C)	LOAD (%)		
	MOUNTING A (STANDARD MOUNTING)	MOUNTING B	MOUNTING C
-40 ~ +60	100	100	100
70	100	75	75

