- Built-in active PFC function, PF>0.95
- Protections: SCP / OLP / OVP / OTP
- · Cooling by free air convection
- · Two peak load mode select by user.
- Can be installed on DIN rail TS-35 / 7.5 or 15
- Built-in DC OK Relay contact
- Built-in Remote ON / OFF function
- 100% full load burn-in test
- 150% peak load capability
- 1 year warranty





Specification:				
MODEL		DV-150-24	DV-150-48	
	DC Voltage Range	24V	48V	
	Rated Current	6.3A	3.2A	
	Current Range	0 ~ 6.3A	0 ~ 3.2A	
	Rated Power	150W	150W	
	Peak Current	9.45A	4.8A	
	Peak Power Note.6	225W (3sec.)		
ОИТРИТ	Ripple & Noise (max.) Note.2	240 mVp-p	480 mVp-p	
	Voltage Adjustment Range	-2% ~ +8%	-2% ~ +8%	
	Voltage Tolerance Note.3	±1.0%	±1.0%	
	Line Regulation	±0.5%	±0.5%	
	Load Regulation	±1.0%	±1.0%	
	Setup, Rise Time	700ms, 30ms/230VAC /115VAC at full load		
	Hold Time (Typ.)	16ms / 230VAC 16ms / 115VAC at full load		
	Voltage Range	88V ~ 264VAC 124 ~ 373VDC		
	Frequency Range	47 ~ 63Hz		
	Power Factor(Typ.)	0.9 / 230VAC		
INPUT	Efficiency (Typ.)	87%	87%	
	AC Current (Typ.)	2.6A / 115VAC 1.3A / 230VAC		
	Inrush Current (Typ.)	33A / 115VAC 65A / 230VAC		
	Leakage Current	< 1mA / 240VAC		
Protection	Over Load	Normally works within 105 ~ 150% rated output power for more than 3 sec and then shutdown O/P voltage with auto-recovery, >150% rated power or short circuit is constant current limiting, if o/p drop to 40% rating output voltage then shutdown and auto-recover 5 time, if fault condition not remove in this 5 time, the system well be shutdown and re-power on to recover.		
	Over Voltage	29 ~ 33V	56 ~ 65V	
		Protection type: Latch-off mode, re-power on to recover 95±5° C (TSW: detect on heatsink of power diode)		
	Over Temperature	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down		
Protection	DC OK REALY CONTACT RATINGS (max.)	60Vdc/0.3A, 30Vdc/1A, 30Vac/0.5A resistive load		
	Working Temp. Note.5	-10 ~ +70°C (Refer to output load de-rating curve)		
	Working Humidity	20 ~ 95% RH non-condensing		
Environment	Storage Temp., Humidity	-40 ~ +85°C 10 ~95% R.H		
Environment	Temp.Coefficient	±0.03%/°C (0~50°C)		
	Vibration	Component: 10 ~ 500Hz, 2G 10min/1cycle, 60 min each along X,Y,Z axes; Mounting: Compliance to IEC60068-2-6		
	Safety Standards	MEET UL508 / TUV EN60950-1		
	Withstand Voltage	I/P - O/P: 4242VDC I/P - FG: 2121VDC O/P-FG: 707VDC O/P-DC OK: 707VDC		
0-4-4-0 540	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C / 70% RH		
Safety & EMC Note.4	EMI Conduction & Radiation	Compliance to EN55022 (CISPR22) Class B		
Note.4	Harmonic Current	Compliance to EN61000-3-2,-3		
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024, EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level, criteria A, Meet SEMI F47		
	MTBF	xxxK HRS Compliance: MIL-HDBK-217F(25°C	C)	
Others	Dimension (LxWxH)(mm)	55.5x125x99.8		
	Packing	0.9kg; 12Pcs/12.8kg		
Note	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it stil meets EMC directives. 5. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with ful power. In case the adjacent device is a heat source, 15mm clearance is recommended. 6. 3 seconds or 20% duty cycle max. and the average output power should not exceed the rate power. 7. Derating may be needed under low input voltage. Please check the derating curve for more details.			

Mechanical Specification

Terminal Pin No. Assignment (TB1)

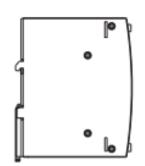
Pin NO.	Assignment
1	FG⊕
2	AC/L
3	AC/N

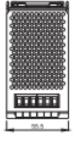
Terminal Pin No. Assignment (TB2)

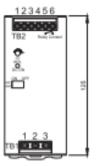
Pin NO.	Assignment
1	DC+
2	DC-
3	INH+
4	INH-
5,6	Relay Contact

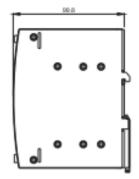
Switch No. Assignment

SW NO.	Assignment
SW1	PEAK LOAD SETTING
SW2	REMOTE ON/OFF SETTING

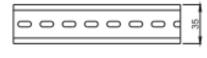




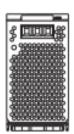




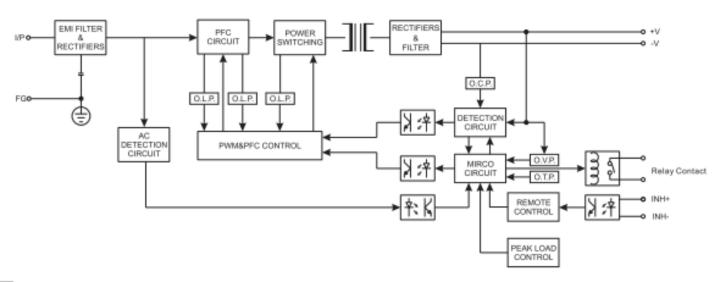
Unit: mm







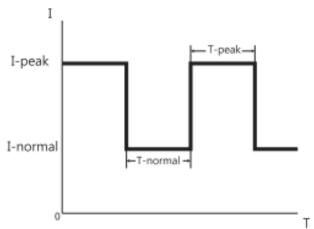
Block Diagram



DC OK Relay Contact

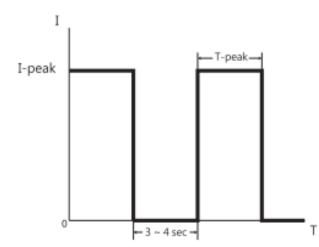
Contact Close	When the output voltage reaches the adjusted output voltage.
Contact Open	When the output voltage drop below 45% output voltage.
Contact Ratings(max.)	30V/1A resistive load

Peak Loading SW1 ON (Mode1) Default setting

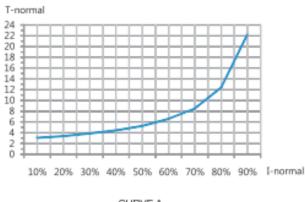


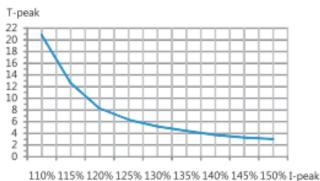
T-peak presents while the unit is working within 110%~150% Rating output power. See curve "B" for the variation in T-peak btw output current and holdup time. If T-peak is more than the time setting in curve "B", the output current will drop to the constant current limited (I-normal) that is 105% rating power, meanwhile, I-normal and T-normal will be presenting. See curve "A" for the timing back to I-Peak of T-normal and this Mode can use for easy 2-stage battery charger.

Peak Loading SW1 OFF (Mode2)



T-peak presents while the unit is working within 110%~150% Rating output power. See curve "B" for the variation in T-peak btw output current and holdup time. If T-peak is more than the time setting in curve "B", the output voltage will be shut down for 3-4 sec, then auto-recovery.





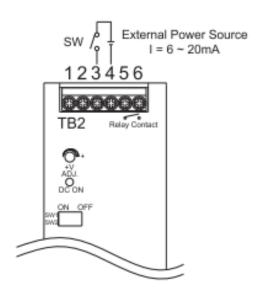
CURVE A CURVE B

Remote ON / OFF

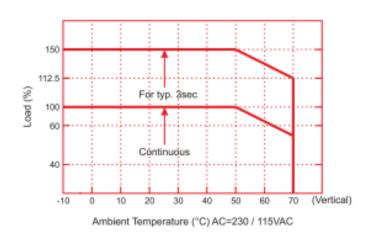
The PSU can be turned ON/OFF by using the "Remote Control" function.

SW2	INH+(3 PIN)/ INH-(4 PIN)	Output Status
OFF	SW ON (>2.5V)	ENABLE
OFF	SW OFF (<0.8V)	DISABLE
ON	SW ON (>2.5V)	DISABLE
ON	SW OFF (<0.8V)	ENABLE

(Default Setting)



De-rating Curve



Output derating VS input voltage

