

Наличие и актуальные цены на

RST-15K-230

https://www.mean-well.ru/store/RST-15K-230/



15KW 3 ϕ 4W Input With High Voltage Output

RST-15K-HV series

– Dimension –					
	*	W	*	н	
_					
540	*	424	*	83.5(2U)	mm
21.3	*	16.7	*	3.29(2U)	inch





Back

Front



Parallel (PC)	c FL us	TOWNskies Exemption	EAE	СВ	C E Ľ	K
	UL62368-1	BS EN/EN62368-1	TPTC004	IEC62368-1		

Features

- 3 ψ 3-wire / \triangle 196~305VAC or 3 ψ 4-wire / Y 340~530VAC
- High efficiency up to 94%
- · Forced air cooling
- · Output voltage and constant current level programmable
- Wide voltage adjustment range 1~120%
- · Active current sharing up to 2 units(28.5KW)
- Built-in remote ON-OFF control / Alarm signal
- Protections: Short circuit / Overload / Over voltage / Over temperature / Fan fail
- 5 years warranty



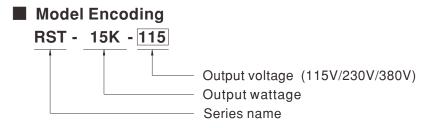
Applications

- Energy & power system
- · U.V or laser diode application
- · Electrolysis system
- · Factory control or automation apparatus
- · Burn-in facility
- · RF application
- EV charging station

GTIN CODE MW Search: https://www.meanwell.com/serviceGTIN.aspx

Description

RST-15K-HV is a 15KW 3 ϕ input enclosed type AC/DC power supply. This series operates for the wide range three phase AC input and offers the models with the high voltage DC output(115V/230V/380V) that mostly demanded from the industry. This series provides models with forced air cooling, that can be working at ambient temperature up to 70°C. Moreover, RST-15K-HV provides vast design flexibility by equipping various built-in functions such as the output programming, active current sharing, remote ON-OFF control, alarm signals.....etc.



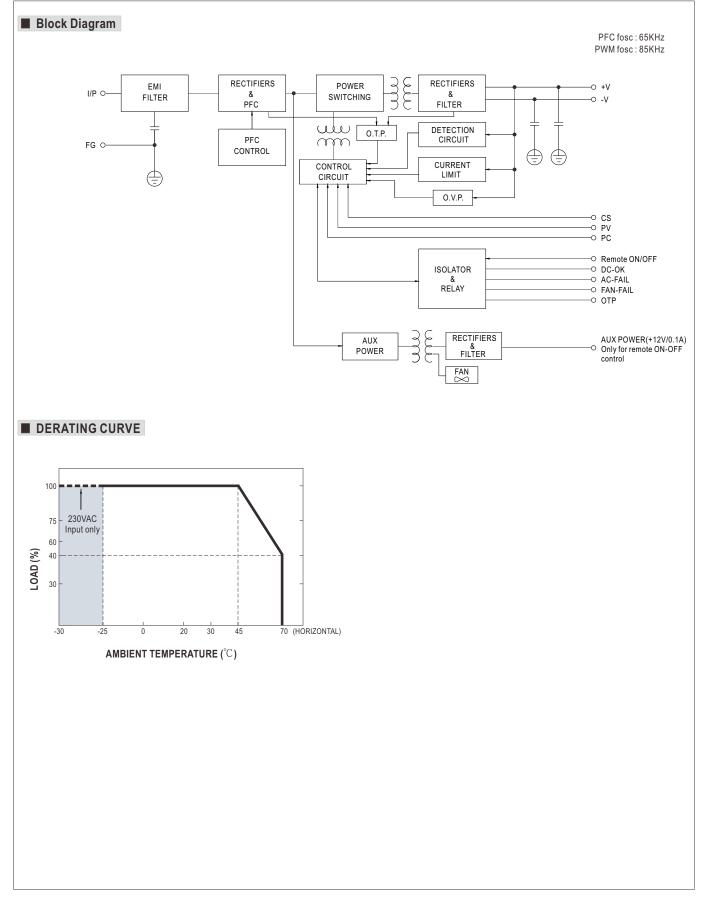


SPECIFICATION

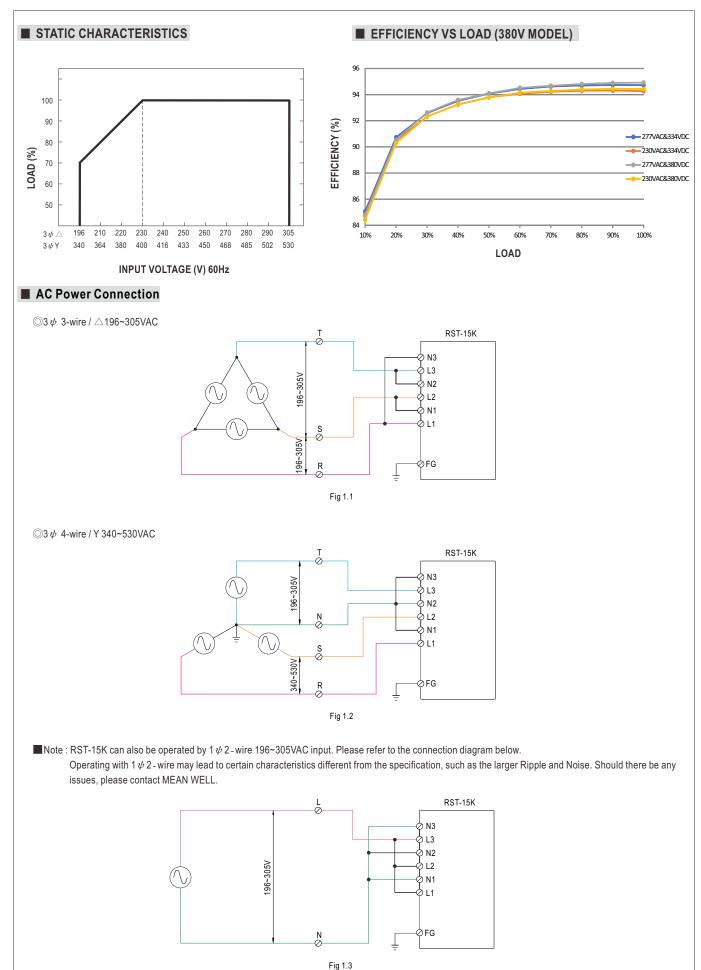
MODEL		RST-15K-115	RST-15K-230	RST-15K-380				
	DC VOLTAGE (factory default)	115V	230V	380V				
	CURRENT (factory default)	130A	64.8A	39.55A				
	CURRENT RANGE	0 ~ 130A	0~69A	0 ~ 45A				
	RATED POWER	14950W	14904W	15030W				
	FULL POWER VOLTAGE RANGE	115 ~ 138V	216~260V	334 ~ 400V				
	RIPPLE & NOISE (max.) Note.2	1Vp-p	2Vp-p	4Vp-p				
OUTPUT		90~138V	170~260V	260~400V				
	VOLTAGE ADJ. RANGE	Can be adjusted via built-in potentiometer	1					
	VOLTAGE TOLERANCE Note.3		±1.0%	±1.0%				
	LINE REGULATION	±0.5%	±0.5%	±0.5%				
	LOAD REGULATION	±0.5%	±0.5%	±0.5%				
	SETUP, RISE TIME	3000ms, 200ms at full load						
	HOLD UP TIME (Typ.)	16ms 230VAC/400VAC at 75% load 10ms / 230VAC/400VAC at full load						
	VOLTAGE RANGE	$3 \psi 3W/ \triangle 196 \sim 305VAC \text{ or } 3 \psi 4W/Y 340 \sim$						
	FREQUENCY RANGE	47 ~ 63Hz	-330 VAC					
	POWER FACTOR (Typ.)	≥0.98/230VAC(400VAC)/≥0.97/277VAC((180)/(AC) at full load					
INPUT			94%	94%				
INFUI				94%				
	AC CURRENT (Typ.)	($\frac{1}{2} \frac{1}{2} \frac{1}$					
	INRUSH CURRENT (Typ.)	· · · · · · · · · · · · · · · · · · ·	400VAC(3 \u03c6 4-wire / Y)					
	LEAKAGE CURRENT	<3.5mA/Y 530VAC <21mA / 305VAC						
	OVERLOAD	100 ~ 107% of rated current						
			unit will shutdown after 5 sec. re-power on to					
PROTECTION	OVER VOLTAGE	145 ~ 166V	273 ~ 312V	420~480V				
		Protection type : Shut down o/p voltage, re-						
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatica	, , ,					
	CURRENT SHARING	Up to 2 units. Please refer to the Function N	Manual					
	OUTPUT VOLTAGE PROGRAMMABLE	Adjustment of output voltage is allowable bet	ween 1 ~ 120% of nominal output voltage. Plea	se refer to the PV curve Function Manual				
FUNCTION	CONSTANT CURRENT LEVEL PROGRAMMABLE	Adjustment of constant current level is allow	wable between 20 ~ 100% of rated current. P	lease refer to the Function Manual				
	REMOTE ON-OFF CONTROL	Please refer to the Function Manual						
	ALARM SIGNAL OUTPUT	AC fail, DC OK, fan fail, OTP. Please refer t	to the Function Manual.					
	WORKING TEMP.	-30 ~ +70 $^\circ\mathrm{C}$ (Refer to "Derating Curve")						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing						
	TEMP. COEFFICIENT	±0.03%/°C (0~45°C)						
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes						
	SAFETY STANDARDS	UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved						
	WITHSTAND VOLTAGE Note.4	U/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC						
	ISOLATION RESISTANCE Note.4	I/P-O/P. I/P-FG. O/P-FG:100M Ohms / 500	VDC / 25°C / 70% BH					
		Parameter	Standard	Test Level / Note				
		Conducted	BS EN/EN55032 (CISPR32) / BS EN/EN55011 (CISPR11)	Class A				
	EMC EMISSION	Radiated	BS EN/EN55032 (CISPR32) / BS EN/EN55011 (CISPR11)					
		Harmonic Current	BS EN/EN61000-3-12					
		Voltage Flicker	BS EN/EN61000-3-3					
		BS EN/EN55024 , BS EN/EN61204-3, BS E						
SAFETY &		Parameter	Standard	Test Level / Note				
EMC								
(Note 8)		ESD	BS EN/EN61000-4-2	Level 3, 8KV air ; Level 2, 4KV contact				
		Radiated	BS EN/EN61000-4-3	Level 3				
	EMC IMMUNITY	EFT / Burst	BS EN/EN61000-4-4	Level 3				
		Surge	BS EN/EN61000-4-5	Level 4, 4KV/Line-Earth ; Level 3, 2KV/Line-Lir				
		Conducted	BS EN/EN61000-4-6	Level 3				
		Magnetic Field	BS EN/EN61000-4-8	Level 4				
		Voltage Dips and Interruptions	BS EN/EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 period >95% interruptions 250 periods				
	MTBF	121.9K hrs min. Telcordia SR-332 (Bel	llcore); 16.2K hrs min. MIL-HDBK-217F	(25°C)				
OTHERS	DIMENSION	540*424*83.5mm (L*W*H)						
	PACKING	25Kg; 1pcs/25Kg/2.82CUFT						
NOTE	 Ripple & noise are measured. Tolerance: includes set up t During withstand voltage and Derating may be needed ur If use PV signal to adjust Vo The efficiency is measured. 380V(380V model). The power supply is considered a 600mm*900mm metal plaperform these EMC tests, p (as available on https://www. The ambient temperature do 	d at 20MHz of bandwidth by using a 12" to olerance, line regulation and load regulation d isolation resistance testing, the screw "A' ider low input voltages. Please check the d o, under creatin operation conditions, ripple at △: 230VAC/Y: 400VAC input. The effici ered a component which will be installed in te with 1mm of thickness. The final equipm lease refer to "EMI testing of component pr meanwell.com//Upload/PDF/EMI_stateme rating of 3.5°C/1000m with fanless models	" shall be temporarily removed, and shall be lerating curve for more details. e noise of Vo might go over rating defined i ency level is measured at output voltage 1" to a final equipment. All the EMC tests are nent must be re-confirmed that it still meets ower supplies."	7uf parallel capacitor. a installed back after the testing. n this specification. ISV(115V model)/230V(230V model)/ been executed by mounting the unit on EMC directives. For guidance on how to erating altitude higher than 2000m(6500ft)				



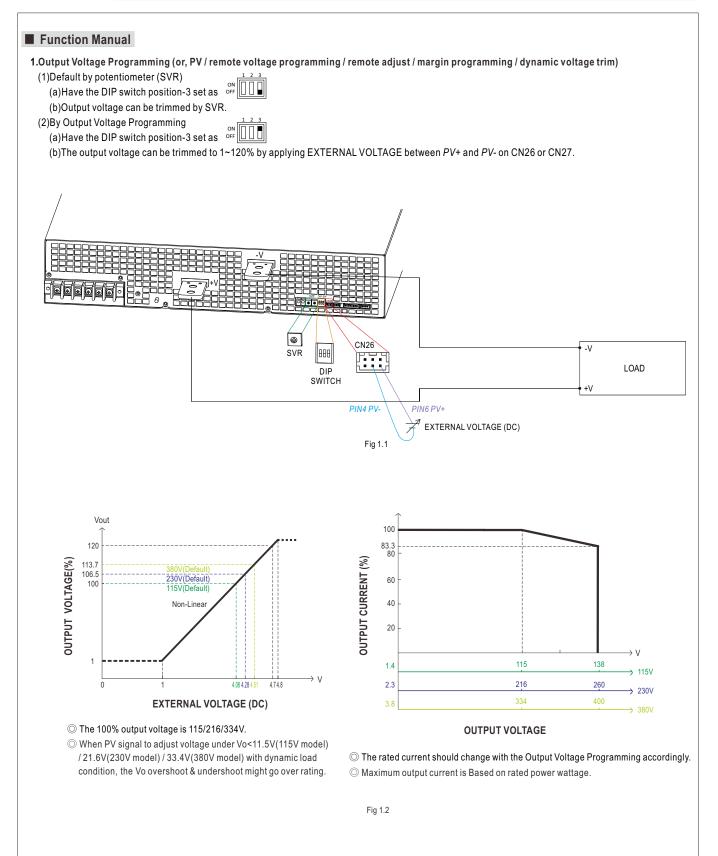
15KW 3 ϕ 4W Input With High Voltage Output



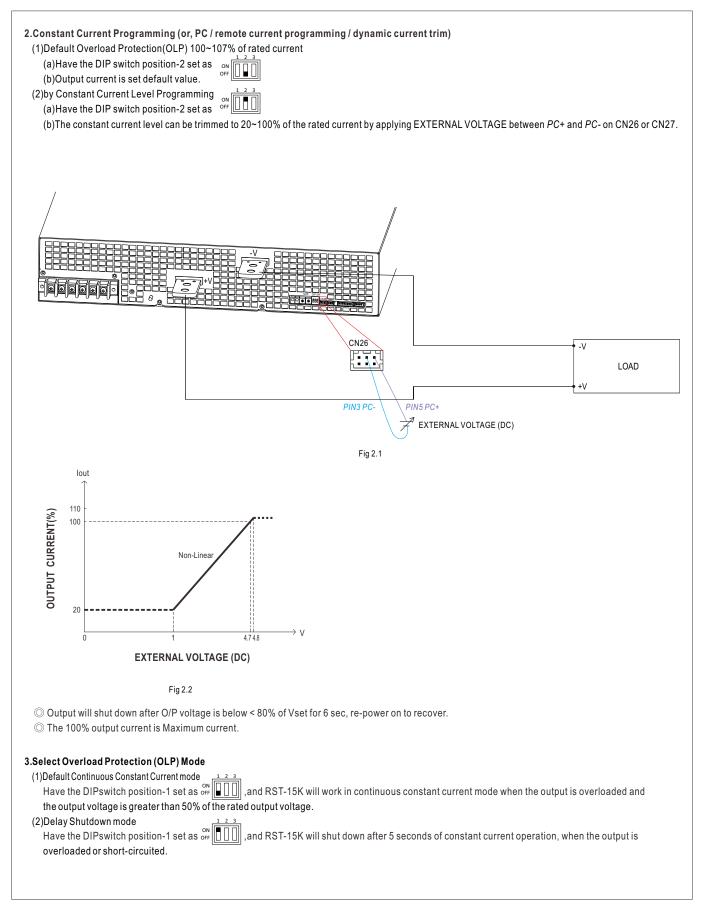














4.Remote ON-OFF Control X The power supply can be turned ON-OFF by using the "Remote ON-OFF" function. Between Remote ON-OFF(CN25 pin5) and 12V-AUX(CN25 pin1) Output Status power supply ON Switch close (Short) Switch open (Open) power supply OFF Table 4.1 SW 12V-AUX RC+ RST-15K RC-GND-AUX PIN1 12V-ALIX PIN5 RC Fig 4.1 ... CN25 PIN6 RC PIN2 GND-AUX 5.Alarm Signal Output X There are 4 alarm signals on CN22, and each signal can select two types of output circuit. (1)Relay contact output {OTP1, OTP1-GND); (DC-OK1, DC-OK1-GND); (AC-FAIL1-GND, AC-FAIL1); (FAN-FAIL1-GND, FAN-FAIL1)}

Normally open contact. "Short" when the alarm arises. Relay contact rating(maximum) is 30V/1A resistive.

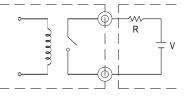
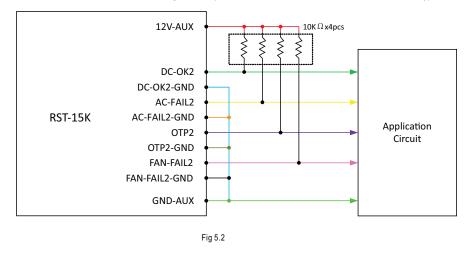


Fig 5.1

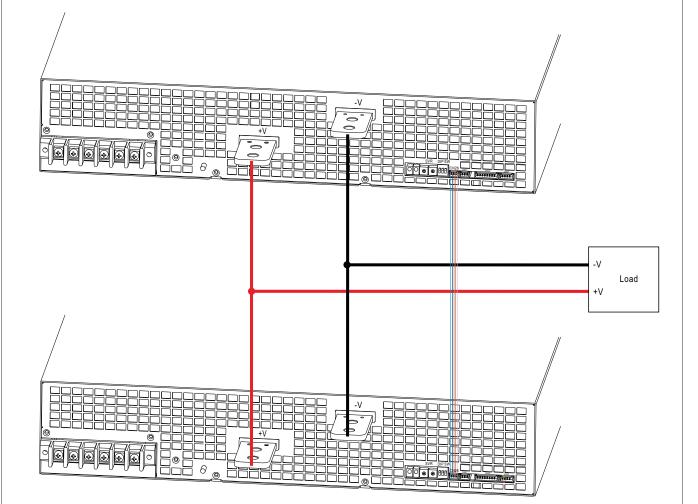
(2)Open collector output {DC-OK2-GND, DC-OK2) ; (AC-FAIL2-GND, AC-FAIL2) ; (OTP2, OTP2-GND) ; (FAN-FAIL2, FAN-FAIL2-GND)} An external voltage source is required for this function that is shown in Fig 5.2. These signals are isolated from output. The maximum sink current is 10mA and the maximum external voltage is 20V (there is a built-in 24V zener diode in inner circuitry).





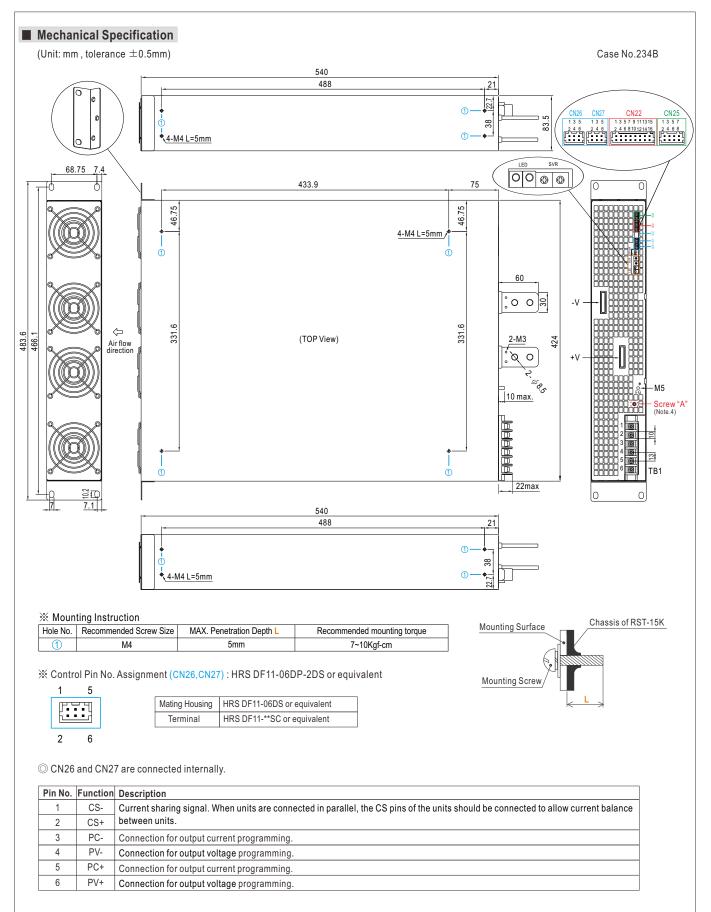
6.Current Sharing

- RST-15K has the built-in active current sharing function and can be connected in parallel, up to 2 units, to provide higher output power as exhibited below :
- % The voltage difference among each output should be minimized that less than 0.2V is required.
- % The total output current must not exceed the value determined by the following equation.
- Maximum output current at parallel operation=(The rated current per unit)x(Number of unit)x0.95
- X When the total output current is less than 5% of the total rated current, or say (5% of Rated current per unit) × (Number of unit) the current shared among units may not be fully balanced.



 \bigcirc CS+, CS- and RC+, RC- are connected mutually in parallel.







1	15	
<u>۲</u> ۰۰		Mating Housing HRS DF11-16DS or equivalent Terminal HRS DF11-**SC or equivalent
2	16	Terminal HRS DF11-**SC or equivalent
- Pin No.	Function	Description
		Alarm signal of DC-OK.
1	DC-OK1	Normally open contact. "Short" when the PSU turns on. Relay contact rating(maximum) is 30V/1A resistive.
2	AC-FAIL1	Alarm signal of AC-fail. Normally open contact. "Short" when the PSU input voltage is too low. Relay contact rating(maximum) is 30V/1A resistive.
3	DC-OK1-GND	Alarm signal of DC-OK. Normally open contact. "Short" when the PSU turns on. Relay contact rating(maximum) is 30V/1A resistive.
4	AC-FAIL1-GND	Alarm signal of AC-fail. Normally open contact. "Short" when the PSU input voltage is too low. Relay contact rating(maximum) is 30V/1A resistive.
5	DC-OK2	Alarm signal of DC-OK. Open collector signal. Low when the PSU turns on. The maximum sink current is 10mA and the maximum external voltage is 20V.
6	AC-FAIL2	Alarm signal of AC fail. Open collector signal. Low when the PSU input voltage is too low. The maximum sink current is 10mA and the maximum external voltage is 20V.
7	DC-OK2-GND	Alarm signal of DC-OK. Open collector signal. Low when the PSU turns on. The maximum sink current is 10mA and the maximum external voltage is 20V.
8	AC-FAIL2-GND	Alarm signal of AC fail. Open collector signal. Low when the PSU input voltage is too low. The maximum sink current is 10mA and the maximum external voltage is 20V.
9	OTP1	Alarm signal of OTP. Normally open contact. "Short" when the PSU over temperature protection occurs. Relay contact rating(maximum) is 30V/1A resistive.
10	FAN-FAIL2	Alarm signal of fan fail. Open collector signal. Low when the internal fan fails. The maximum sink current is 10mA and the maximum external voltage is 20\
11	OTP1-GND	Alarm signal of OTP. Normally open contact. "Short" when the PSU over temperature protection occurs. Relay contact rating(maximum) is 30V/1A resistive.
12	FAN-FAIL2-GND	Alarm signal of fan fail. Open collector signal. Low when the internal fan fails. The maximum sink current is 10mA and the maximum external voltage is 20\
13	OTP2	Alarm signal of OTP. Open collector signal. Low when the PSU over temperature protection occurs. The maximum sink current is 10mA and the maximum external voltage is 20V.
14	FAN-FAIL1	Alarm signal of fan fail. Normally open contact. "Short" when the internal fan fails. Relay contact rating(maximum) is 30V/1A resistive.
15	OTP2-GND	Alarm signal of OTP. Open collector signal. Low when the PSU over temperature protection occurs. The maximum sink current is 10mA and the maximum external voltage is 20V.
16	FAN-FAIL1-GND	Alarm signal of fan fail. Normally open contact. "Short" when the internal fan fails. Relay contact rating(maximum) is 30V/1A resistive.

% Control Pin No. Assignment (CN25) : HRS DF11-08DP-2DS or equivalent

1 7	-		
pwq		Mating Housing	HRS DF11-08DS or equivalent
		Terminal	HRS DF11-**SC or equivalent
2 8			

Pin No.	Function	Description	
1,3	12V-AUX	Auxiliary voltage output, 11.4~12.6V, referenced to pin 2,4(GND-AUX). Only for remote on-off control & Alarm signal. The maximum load current is 0.1A. This output is not controlled by the "Remote ON/OFF" function.	
2,4	GND-AUX	Auxiliary voltage output GND. The signal return is isolated from the output terminals (+V & -V).	
5,7	RC+	The output can be turned ON-OFF in association with RC+ and RC	
6,8	RC-		



%LED Status Indicators

LED	Description
Green(LED1)	LED on when output voltage is OK
Red(LED2)	LED on when any protection occurs

XAC Input Terminal Pin No. Assignment (TB1)

Pin No.	Assignment	Pin No.	Assignment	Diagram	Maximum mounting torque
1	AC/L1	4	AC/N2		
2	AC/N1	5	AC/L3		18Kgf-cm
3	AC/L2	6	AC/N3		

XDIP Switch Position Assignment(DIP-SW): Please refer to the Function Manual.

Pin No.	Assignment	Diagram		
1	Overload Protection (OLP)	1 2 3		
2	Output Current Programming (PC)			
3	Output Voltage Programming (PV)	OFF DIP-SW PIN3:PV		

Installation Manual

Please refer to : http://www.meanwell.com/manual.html