

Наличие и актуальные цены на

# RST-15K-380

https://www.mean-well.ru/store/RST-15K-380/



#### Dimension

\* W \* H

540 \* 424 \* 83.5(2U) mm 21.3 \* 16.7 \* 3.29(2U)







Back

















- 3  $\psi$  3-wire /  $\triangle$ 196~305VAC or 3  $\psi$  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

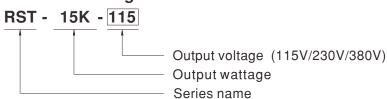
#### GTIN CODE

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

# Description

RST-15K-HV is a 15KW 3  $\phi$  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.

# Model Encoding





#### **SPECIFICATION**

MODEL		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		4Vp-p		
OUTPUT	THI I EE & HOIDE (Max.) Note.2	90 ~ 138V 170 ~ 260V	260 ~ 400V		
	VOLTAGE ADJ. RANGE	Can be adjusted via built-in potentiometer	200 1000		
	VOLTAGE TOLERANCE Note.3	±1.0% ±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 loa	d		
	VOLTAGE RANGE	3 ψ 3W/△196~305VAC or 3 ψ 4W/Y 340~530VAC			
	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR (Typ.)	≥ 0.98/230VAC(400VAC)/≥ 0.97/277VAC(480VAC) at full load			
NPUT	EFFICIENCY (Typ.) Note.7		94%		
	AC CURRENT (Typ.)	45A/230VAC(3 $\psi$ 3-wire / $\triangle$ ) 26A/400VAC(3 $\psi$ 4-wire / Y)			
	INRUSH CURRENT (Typ.)	150A/230VAC(3 \( \psi \) 3-wire / \( \triangle \) 100A/400VAC(3 \( \psi \) 4-wire / Y)			
	LEAKAGE CURRENT	<3.5mA/Y 530VAC <21mA /△305VAC			
	ELITORIOL GOTTILETT	100 ~ 107% of rated current			
	OVERLOAD	Protection type: Constant current limiting, unit will shutdown after 5 sec. re-p	nower on to recover		
DDOTECTION		145 ~ 166V 273 ~ 312V	420 ~ 480V		
PROTECTION	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover	420 - 400 V		
	OVER TEMPERATURE	71 0 7 1			
	TOVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down  In to 2 units. Please refer to the Function Manual.			
	CURRENT SHARING				
	CURRENT SHARING	Up to 2 units. Please refer to the Function Manual	oltage Please refer to the PV curve Function Manual		
EUNCTION	OUTPUT VOLTAGE PROGRAMMABLE	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage.			
FUNCTION	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE	Up to 2 units. Please refer to the Function Manual  Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltages allowable between 20 ~ 100% of rated			
FUNCTION	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL	Up to 2 units. Please refer to the Function Manual  Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltages allowable between 20 ~ 100% of rated Please refer to the Function Manual			
FUNCTION	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT	Up to 2 units. Please refer to the Function Manual  Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage and adjustment of constant current level is allowable between 20 ~ 100% of rated Please refer to the Function Manual  AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual.			
FUNCTION	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP.	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage and the following state of constant current level is allowable between 20 ~ 100% of rated Please refer to the Function Manual AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual30 ~ +70°C (Refer to "Derating Curve")			
	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Adjustment of constant current level is allowable between 20 ~ 100% of rated Please refer to the Function Manual AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual30 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing			
	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Adjustment of constant current level is allowable between 20 ~ 100% of rated Please refer to the Function Manual AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual30 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing			
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	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Adjustment of constant current level is allowable between 20 ~ 100% of rated Please refer to the Function Manual AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual. $-30 \sim +70^{\circ}\text{C} \text{ (Refer to "Derating Curve")}$ $20 \sim 90\% \text{ RH non-condensing}$ $-40 \sim +85^{\circ}\text{C}, 10 \sim 95\% \text{ RH non-condensing}$ $\pm 0.03\%/^{\circ}\text{C} \text{ (0} \sim 45^{\circ}\text{C)}$ $10 \sim 500\text{Hz}, 2\text{G }10\text{min.}/1\text{cycle}, 60\text{min. each along X, Y, Z axes}$	d current. Please refer to the Function Manual		
	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Adjustment of constant current level is allowable between 20 ~ 100% of rated Please refer to the Function Manual  AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual.  -30 ~ +70°C (Refer to "Derating Curve")  20 ~ 90% RH non-condensing  -40 ~ +85°C, 10 ~ 95% RH non-condensing  ±0.03%/°C (0 ~ 45°C)  10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP	d current. Please refer to the Function Manual		
	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4	Up to 2 units. Please refer to the Function Manual  Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Adjustment of constant current level is allowable between 20 ~ 100% of rated Please refer to the Function Manual  AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual.  -30 ~ +70°C (Refer to "Derating Curve")  20 ~ 90% RH non-condensing  -40 ~ +85°C, 10 ~ 95% RH non-condensing  ±0.03%/°C (0 ~ 45°C)  10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP  I/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC	d current. Please refer to the Function Manual		
	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4	Up to 2 units. Please refer to the Function Manual  Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Adjustment of constant current level is allowable between 20 ~ 100% of rated Please refer to the Function Manual  AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual.  -30 ~ +70°C (Refer to "Derating Curve")  20 ~ 90% RH non-condensing  -40 ~ +85°C, 10 ~ 95% RH non-condensing  ±0.03%/°C (0 ~ 45°C)  10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP  I/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC  I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH	d current. Please refer to the Function Manual		
	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4	Up to 2 units. Please refer to the Function Manual  Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rates and provided to the Function Manual  AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual.  -30 ~ +70°C (Refer to "Derating Curve")  20 ~ 90% RH non-condensing  -40 ~ +85°C, 10 ~ 95% RH non-condensing  ±0.03%/°C (0 ~ 45°C)  10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP  I/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC  I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  Parameter  Standard	D TC 004 approved  Test Level / Note		
	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4 ISOLATION RESISTANCE Note.4	Up to 2 units. Please refer to the Function Manual  Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Please refer to the Function Manual  AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual.  -30 ~ +70°C (Refer to "Derating Curve")  20 ~ 90% RH non-condensing  -40 ~ +85°C, 10 ~ 95% RH non-condensing  ± 0.03%/°C (0 ~ 45°C)  10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP  I/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC  I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  Parameter Standard  Conducted BS EN/EN55032 (CISPR32) / BS EN/EN550	Test Level / Note  Old (CISPR11) Class A		
	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4	Up to 2 units. Please refer to the Function Manual  Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Please refer to the Function Manual  AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual.  -30 ~ +70°C (Refer to "Derating Curve")  20 ~ 90% RH non-condensing  -40 ~ +85°C, 10 ~ 95% RH non-condensing  ± 0.03%/°C (0 ~ 45°C)  10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP I/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC  I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  Parameter  Standard  Conducted  BS EN/EN55032 (CISPR32) / BS EN/EN556	PTC 004 approved  Test Level / Note  011 (CISPR11) Class A  011 (CISPR11) Class A		
	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4 ISOLATION RESISTANCE Note.4	Up to 2 units. Please refer to the Function Manual  Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Please refer to the Function Manual  AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual.  -30 ~ +70°C (Refer to "Derating Curve")  20 ~ 90% RH non-condensing  -40 ~ +85°C, 10 ~ 95% RH non-condensing  ±0.03%/°C (0 ~ 45°C)  10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP  I/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC  I/P-O/P:4.3KVDC I/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  Parameter Standard  Conducted BS EN/EN55032 (CISPR32) / BS EN/EN550  Radiated BS EN/EN55032 (CISPR32) / BS EN/EN550	Test Level / Note  011 (CISPR11) Class A 011 (CISPR11) Class A		
ENVIRONMENT	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4 ISOLATION RESISTANCE Note.4	Up to 2 units. Please refer to the Function Manual  Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Please refer to the Function Manual  AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual.  -30 ~ +70°C (Refer to "Derating Curve")  20 ~ 90% RH non-condensing  -40 ~ +85°C, 10 ~ 95% RH non-condensing  ± 0.03%/°C (0 ~ 45°C)  10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP I/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC  I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  Parameter  Standard  Conducted  BS EN/EN55032 (CISPR32) / BS EN/EN5504  Radiated  BS EN/EN55032 (CISPR32) / BS EN/EN5504  Harmonic Current  BS EN/EN61000-3-12  Voltage Flicker	PTC 004 approved  Test Level / Note  011 (CISPR11) Class A  011 (CISPR11) Class A		
ENVIRONMENT	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4 ISOLATION RESISTANCE Note.4	Up to 2 units. Please refer to the Function Manual  Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Please refer to the Function Manual  AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual.  -30 ~ +70°C (Refer to "Derating Curve")  20 ~ 90% RH non-condensing  +40 ~ +85°C, 10 ~ 95% RH non-condensing  ±0.03%/°C (0 ~ 45°C)  10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP  I/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC  I/P-O/P;4.3KVDC I/P-FG:100M Ohms / 500VDC / 25°C / 70% RH  Parameter Standard  Conducted BS EN/EN55032 (CISPR32) / BS EN/EN5504  Radiated BS EN/EN55032 (CISPR32) / BS EN/EN5504  Harmonic Current BS EN/EN61000-3-12  Voltage Flicker BS EN/EN61000-6-2	Test Level / Note  O11 (CISPR11) Class A  O11 (CISPR11) Class A		
NVIRONMENT  SAFETY & EMC	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4 ISOLATION RESISTANCE Note.4	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Please refer to the Function Manual AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual30 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP I/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH Parameter Standard Conducted BS EN/EN55032 (CISPR32) / BS EN/EN5504 Radiated BS EN/EN55032 (CISPR32) / BS EN/EN5504 Harmonic Current BS EN/EN61000-3-12 Voltage Flicker BS EN/EN61000-6-2 Parameter Standard	Test Level / Note  Test Level / Note  Test Level / Note		
NVIRONMENT  SAFETY & EMC	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4 ISOLATION RESISTANCE Note.4	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Please refer to the Function Manual AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual30 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing  ± 0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP I/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH Parameter Standard Conducted BS EN/EN55032 (CISPR32) / BS EN/EN5504 Radiated BS EN/EN55032 (CISPR32) / BS EN/EN5504 Harmonic Current BS EN/EN61000-3-12 Voltage Flicker BS EN/EN61000-6-2 Parameter Standard ESD BS EN/EN61000-4-2	Test Level / Note  Otl (CISPR11) Class A Otl (CISPR11) Class A  Test Level / Note  Test Level / Note  Level 3, 8KV air ; Level 2, 4KV contact		
ENVIRONMENT  SAFETY & EMC	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4 ISOLATION RESISTANCE Note.4	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Please refer to the Function Manual AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual30 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP I/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC I/P-O/P;4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH Parameter Standard Conducted BS EN/EN55032 (CISPR32) / BS EN/EN5504 Radiated BS EN/EN61000-3-12 Voltage Flicker BS EN/EN61000-3-3 BS EN/EN55024 , BS EN/EN61204-3, BS EN/EN61000-6-2 Parameter Standard ESD BS EN/EN61000-4-2 Radiated BS EN/EN61000-4-3	Test Level / Note  Ott (CISPR11) Class A  Ott (CISPR11) Class A  Ott (CISPR11) Class A  Test Level / Note  Level 3, 8KV air ; Level 2, 4KV contact Level 3		
ENVIRONMENT  SAFETY & EMC	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4 ISOLATION RESISTANCE Note.4	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Please refer to the Function Manual AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual30 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle	Test Level / Note 011 (CISPR11) Class A 011 (CISPR11) Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3		
ENVIRONMENT  SAFETY & EMC	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4 ISOLATION RESISTANCE Note.4 EMC EMISSION	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Please refer to the Function Manual AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual30 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -40.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP I/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH Parameter Standard Conducted BS EN/EN55032 (CISPR32) / BS EN/EN5503 Radiated BS EN/EN55032 (CISPR32) / BS EN/EN5503 BS EN/EN55024 , BS EN/EN61000-3-12 Voltage Flicker BS EN/EN61000-3-3 BS EN/EN55024 , BS EN/EN61204-3, BS EN/EN61000-6-2 Parameter Standard ESD BS EN/EN61000-4-2 Radiated BS EN/EN61000-4-3 BS EN/EN61000-4-3 BS EN/EN61000-4-3 BS EN/EN61000-4-4 Surge BS EN/EN61000-4-5	Test Level / Note 011 (CISPR11) Class A 011 (CISPR11) Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 4, 4KV/Line-Earth ; Level 3, 2KV/Line-Li		
ENVIRONMENT  SAFETY & EMC	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4 ISOLATION RESISTANCE Note.4 EMC EMISSION	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Please refer to the Function Manual AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual30 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle	Test Level / Note 011 (CISPR11) Class A 011 (CISPR11) Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 4, 4KV/Line-Earth ; Level 3, 2KV/Line-Li Level 3		
ENVIRONMENT  SAFETY & EMC (Note 8)	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4 ISOLATION RESISTANCE Note.4 EMC EMISSION	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Please refer to the Function Manual AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual30 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -40.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP I/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH Parameter Standard Conducted BS EN/EN55032 (CISPR32) / BS EN/EN5503 Radiated BS EN/EN55032 (CISPR32) / BS EN/EN5503 BS EN/EN55024 , BS EN/EN61000-3-12 Voltage Flicker BS EN/EN61000-3-3 BS EN/EN55024 , BS EN/EN61204-3, BS EN/EN61000-6-2 Parameter Standard ESD BS EN/EN61000-4-2 Radiated BS EN/EN61000-4-3 BS EN/EN61000-4-3 BS EN/EN61000-4-3 BS EN/EN61000-4-4 Surge BS EN/EN61000-4-5	Test Level / Note 011 (CISPR11) Class A 011 (CISPR11) Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 4, 4KV/Line-Earth ; Level 3, 2KV/Line-Li Level 3 Level 4		
ENVIRONMENT  SAFETY & EMC	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4 ISOLATION RESISTANCE Note.4 EMC EMISSION	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Please refer to the Function Manual AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual30 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle, 60min. each along X, Y, Z axes -500Hz, 2G 20min./1cycle	Test Level / Note 011 (CISPR11) Class A 011 (CISPR11) Class A  Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 4, 4KV/Line-Earth ; Level 3, 2KV/Line-Li Level 3 Level 4		
ENVIRONMENT  SAFETY & EMC	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4 ISOLATION RESISTANCE Note.4 EMC EMISSION	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Please refer to the Function Manual AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual30 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -40 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP I/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH Parameter Standard Conducted BS EN/EN55032 (CISPR32) / B	Test Level / Note 011 (CISPR11) Class A 011 (CISPR11) Class A  Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 4, 4KV/Line-Earth ; Level 3, 2KV/Line-Li Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods		
ENVIRONMENT  SAFETY & EMC	OUTPUT VOLTAGE PROGRAMMABLE CONSTANT CURRENT LEVEL PROGRAMMABLE REMOTE ON-OFF CONTROL ALARM SIGNAL OUTPUT WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.4 ISOLATION RESISTANCE Note.4 EMC EMISSION	Up to 2 units. Please refer to the Function Manual Adjustment of output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 1 ~ 120% of nominal output voltage is allowable between 20 ~ 100% of rated Please refer to the Function Manual AC fail, DC OK, fan fail, OTP. Please refer to the Function Manual30 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH non-condensing -40 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes UL62368-1, CAN/CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, EAC TP I/P-O/P:4.3KVDC I/P-FG:2.8KVDC O/P-FG:2.8KVDC I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH Parameter Standard Conducted BS EN/EN55032 (CISPR32) / B	Test Level / Note 011 (CISPR11) Class A 011 (CISPR11) Class A 011 (CISPR11) Class A Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 4, 4KV/Line-Earth ; Level 3, 2KV/Line-Li Level 3 Level 4 Level 4 Level 4 Level 4 Level 4 Level 5 Level 5 Level 7 Level 8 Level 9 Level		

#### NOTE

- 1. All parameters NOT specially mentioned are measured at △230VAC(Y 400VAC) input, rated load and 25°C 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. During withstand voltage and isolation resistance testing, the screw "A" shall be temporarily removed, and shall be installed back after the testing.

- 5. Derating may be needed under low input voltages. Please check the derating curve for more details.

  6. If use PV signal to adjust Vo, under creatin operation conditions, ripple noise of Vo might go over rating defined in this specification.

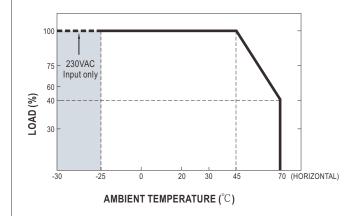
  7. The efficiency level is measured at △: 230VAC/Y: 400VAC input. The efficiency level is measured at output voltage 115V(115V model)/230V(230V model)/ 380V(380V model).
- 8. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 600mm\*900mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."

  (as available on https://www.meanwell.com//Upload/PDF/EMI\_statement\_en.pdf)
- 9. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).
- 10. An unstable O/P voltage is expected in the first 300ms after power on. A minimum load of 5% is suggested if fast load change is required at power on phase.
- \*\* Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



#### ■ Block Diagram PFC fosc: 65KHz PWM fosc: 85KHz RECTIFIERS RECTIFIERS EMI POWER -> +V & PFC FILTER SWITCHING -O -V FILTER DETECTION CIRCUIT ww 0.T.P. PFC FG O CONTROL CURRENT CONTROL LIMIT O.V.P. ⊸ cs → PV → PC → Remote ON/OFF → Completed of the property o ISOLATOR & RELAY RECTIFIERS AUX POWER(+12V/0.1A) Only for remote ON-OFF control & FILTER POWER FAN

## ■ DERATING CURVE

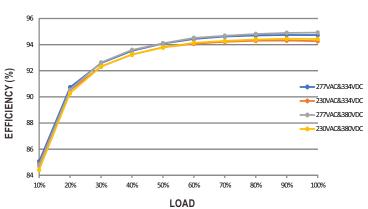




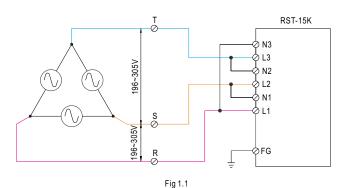
## **■ STATIC CHARACTERISTICS**

#### 100 90 80 LOAD (%) 70 60 50 196 210 220 230 240 250 260 270 280 290 340 364 380 400 416 433 450 468 485 INPUT VOLTAGE (V) 60Hz

# ■ EFFICIENCY VS LOAD (380V MODEL)



## **■** AC Power Connection



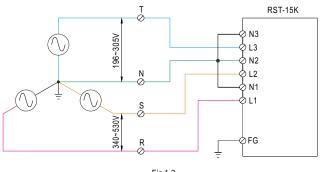


Fig 1.2

■ Note: RST-15K can also be operated by 1 \$\psi\$ 2-wire 196~305VAC input. Please refer to the connection diagram below.

Operating with 1 \$\psi\$ 2-wire may lead to certain characteristics different from the specification, such as the larger Ripple and Noise. Should there be any issues, please contact MEAN WELL.

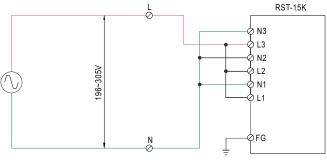
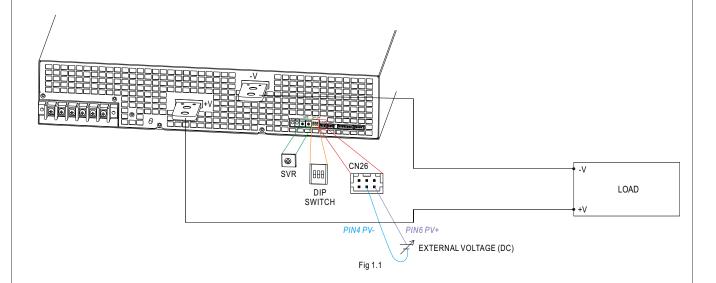


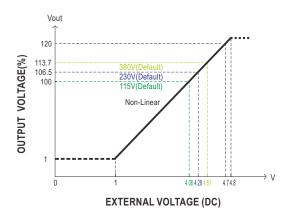
Fig 1.3



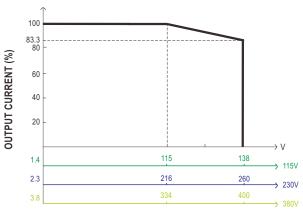
## ■ Function Manual

- 1.Output Voltage Programming (or, PV / remote voltage programming / remote adjust / margin programming / dynamic voltage trim)
- (1)Default by potentiometer (SVR)
  - (a) Have the DIP switch position-3 set as
  - (b)Output voltage can be trimmed by SVR.
- (2)By Output Voltage Programming
  - (a)Have the DIP switch position-3 set as
  - (b)The output voltage can be trimmed to 1~120% by applying EXTERNAL VOLTAGE between PV+ and PV- on CN26 or CN27.





- The 100% output voltage is 115/216/334V.
- When PV signal to adjust voltage under Vo<11.5V(115V model) / 21.6V(230V model) / 33.4V(380V model) with dynamic load condition, the Vo overshoot & undershoot might go over rating.



#### **OUTPUT VOLTAGE**

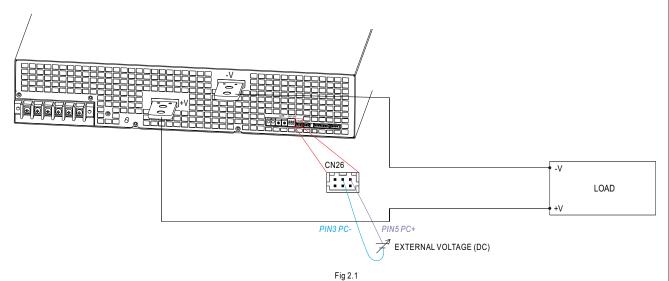
- The rated current should change with the Output Voltage Programming accordingly.
- Maximum output current is Based on rated power wattage.

Fig 1.2



#### 2. Constant Current Programming (or, PC / remote current programming / dynamic current trim)

- (1)Default Overload Protection(OLP) 100~107% of rated current
  - (a) Have the DIP switch position-2 set as
  - (b)Output current is set default value.
- (2)by Constant Current Level Programming
  (a) Have the DIP switch position-2 set as
  - (b)The constant current level can be trimmed to 20~100% of the rated current by applying EXTERNAL VOLTAGE between PC+ and PC- on CN26 or CN27.



1 lg 2.

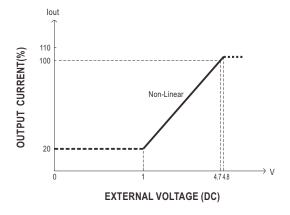


Fig 2.2

- Output will shut down after O/P voltage is below < 80% of Vset for 6 sec, re-power on to recover.
- The 100% output current is Maximum current.

#### 3. Select Overload Protection (OLP) Mode

(1)Default Continuous Constant Current mode

Have the DIPswitch position-1 set as on the output voltage is greater than 50% of the rated output voltage.

(2)Delay Shutdown mode

Have the DIPswitch position-1 set as of present the output is overloaded or short-circuited.

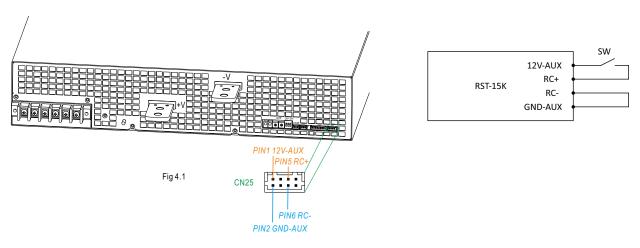


#### 4.Remote ON-OFF Control

\* 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
Switch close (Short)	power supply ON
Switch open (Open)	power supply OFF

Table 4.1



#### 5.Alarm Signal Output

- ※ 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.

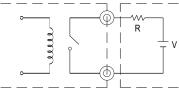


Fig 5.1

(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).

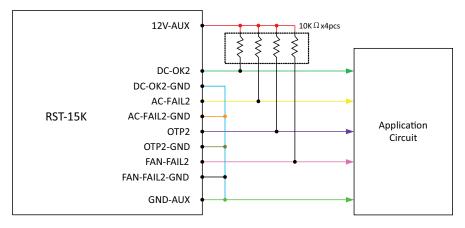
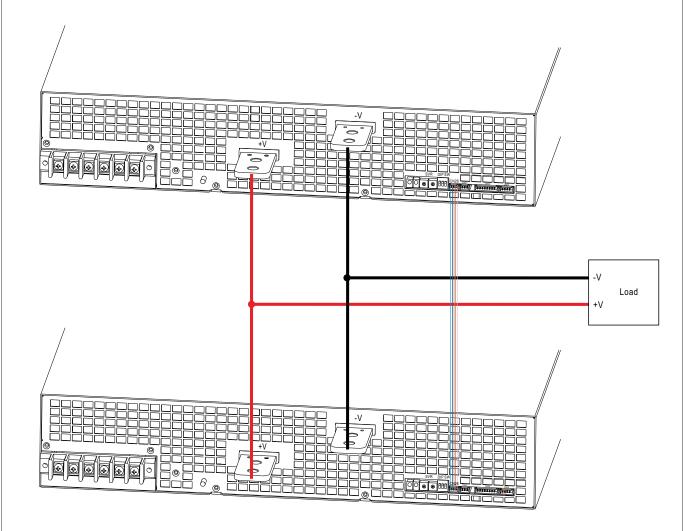


Fig 5.2

#### 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:

- $\frak{\%}$  The voltage difference among each output should be minimized that less than 0.2V is required.
- X 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
- \*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.

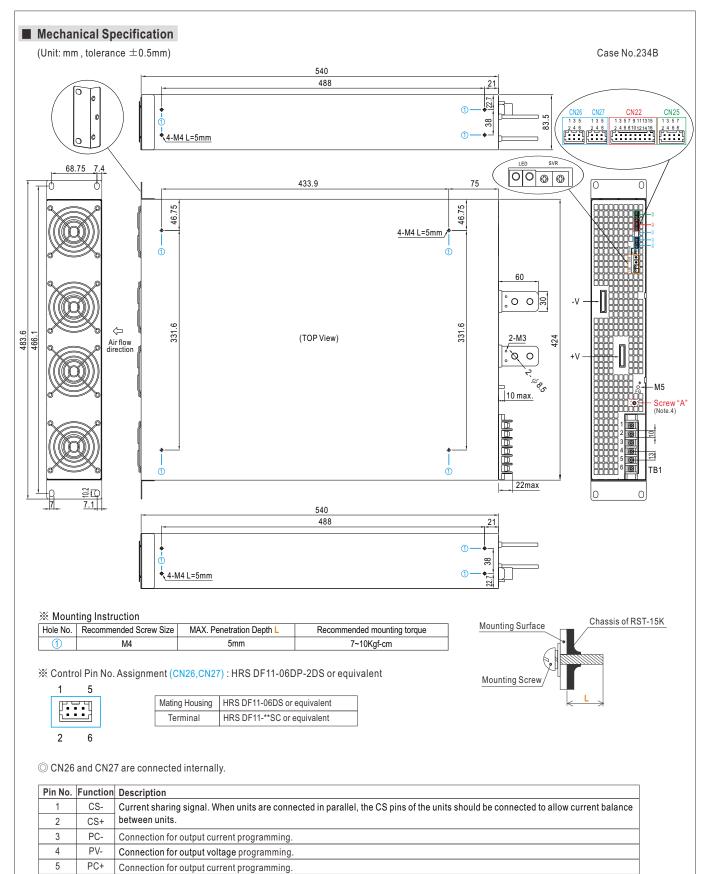


© CS+, CS- and RC+, RC- are connected mutually in parallel.



6

Connection for output voltage programming.





# 15KW 3 $\phi$ 4W Input With High Voltage Output

# RST-15K-HV series

※ Control Pin No. Assignment (CN22): HRS DF11-16DP-2DS or equivalent

1 1



Mating Housing	HRS DF11-16DS or equivalent	
Terminal	HRS DF11-**SC or equivalent	

Pin No.	Function Description			
1	DC-OK1	Alarm signal of DC-OK.  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 extern voltage is 20V.			
9	Alarm signal of OTP. Normally open contact. "Short" when the PSU over temperature protection occurs. Relay contact rating(maximum) is 30V 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.			
11	Alarm signal of OTP.  Normally open contact. "Short" when the PSU over temperature protection occurs. Relay contact rating(maximum) is 30V/14 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 volta			
13	Alarm signal of OTP. Open collector signal. Low when the PSU over temperature protection occurs. The maximum sink current is 10mA and the material 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.		

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

1 7



Mating Housing	HRS DF11-08DS or equivalent	
Terminal	HRS DF11-**SC or equivalent	

Pin No.	Function	Description		
1,3	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+			
6,8	RC-	The output can be turned ON-OFF in association with RC+ and RC		



# 15KW 3 $\phi$ 4W Input With High Voltage Output

# RST-15K-HV series

#### **XLED Status Indicators**

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

## ※AC Input Terminal Pin No. Assignment (TB1)

Pin No.	Assignment	Pin No.	Assignment	Di	agram	Maximum mounting torque
1	AC/L1	4	AC/N2		اعاداعاحاءا	
2	AC/N1	5	AC/L3	00000		18Kgf-cm
3	AC/L2	6	AC/N3			

## ※DIP 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