



All the patents are held accountable counterfeiting.

Features



- Power Ready Signal
- Redundant function
- Intelligent memory Alram power
- Voltage/Current/Temp./Time/Digital Display
- Din Rail/ Screw Moun ting Dual Purpose
- Workable for both power supply/ DC Backup System
- Fan speed control(PCB damp proof process)
- 100% full load burn-in test
- 110,000Hrs MTBF per MIL-HDBK- 217F
- 2-year warranty
- Output modify range: 3V~200VDC
- Split rail & Series connection possible



Detail specifications

12 Volt Battery Backup System

MODEL	1072D-12FT-CD	1120D-12MT-CD	1120D-12CT-CD	1200D-12MT-CD	1200D-12CT-CD	1240D-12CT-CD	1500D-12CT-CD	11K0D-12T-CD	
OUTPUT	DC VOLTAGE	13.8 VDC							
	RIPPLE & NOISE(max)	120 mV							
	LINE REG.*	+/- 1%							
	LOAD REG.*	13.2~13.9 VDC							
	HOLD-UP TIME	16 ms/ 110VAC							
	RATED CURRENT	4.68A	7.83A	7.83A	13.05A	13.05A	15.66A	32.61A	65.22A
CHARGING CURRENT	4.68A	7.83A	7.83A	13.05A	13.05A	15.66A	32.61A	65.22A	
INPUT	FREQUENCY RANGE	47 ~ 63 Hz							
	INRUSH CURRENT(max)	20A/110VAC, 40A/ 220VAC							
	VOLTAGE RANGE	90~264 VAC 127~380 VDC	110/ 220 VAC 127~380 VDC	90~264 VAC 220~380 VDC	110/ 220 VAC 127~380 VDC	90~264 VAC 220~380 VDC	90~264 VAC 127~380 VDC	90~264 VAC 127~380 VDC	180~264 VAC 220~380 VDC
	AC CURRENT(max)	2.0A	5.0A	5.0A	5.0A	5.0A	5.0A	8.0A	15.0A
	Efficiency (Typ.)*	73%	78%	73%	78%	77%	78%	78%	82%
PFC (min)	-----	-----	95%	-----	95%	95%	95%	-----	
PROTEC-TION	OVERLOAD	85~100% Rated Output Power (Automatic Power Limited)							
	SHORT	Autorecovery							
	OVER CHARGE ALRAM	14.4 VDC							
	BATTERY LOW VOLTAGE ALRAM	10.6 VDC							
	COOLING	Convention	Convention	Convention	Fan	Fan	Convention	Fan	Fan

24 Volt Battery Backup System

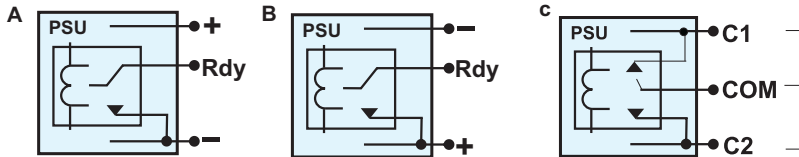
MODEL	1072D-24FT-CD	1120D-24MT-CD	1120D-24CT-CD	1200D-24MT-CD	1200D-24CT-CD	1240D-24CT-CD	1500D-24CT-CD	11K0D-24T-CD	
OUTPUT	DC VOLTAGE	27.6 VDC							
	RIPPLE & NOISE(max)	240 mV							
	LINE REG.*	+/- 1%							
	LOAD REG.*	27~27.7 VDC							
	HOLD-UP TIME	16 ms/ 110VAC							
	RATED CURRENT	2.34A	3.92A	3.92A	6.53A	6.53A	7.83A	16.29A	32.61A
CHARGING CURRENT	2.34A	3.92A	3.92A	6.53A	6.53A	7.83A	16.29A	32.61A	
INPUT	FREQUENCY RANGE	47 ~ 63 Hz							
	INRUSH CURRENT(max)	20A/ 110VAC, 40A/ 220VAC							
	VOLTAGE RANGE	90~264 VAC 127~380 VDC	110/ 220 VAC 127~380 VDC	90~264 VAC 220~380 VDC	110/ 220 VAC 127~380 VDC	90~264 VAC 220~380 VDC	90~264 VAC 127~380 VDC	90~264 VAC 127~380 VDC	180~264 VAC 220~380 VDC
	AC CURRENT(max)	2.0A	5.0A	5.0A	5.0A	5.0A	5.0A	8.0A	15.0A
	Efficiency (Typ.)*	75%	80%	75%	80%	79%	80%	80%	83%
PFC (min)	-----	-----	95%	-----	95%	95%	95%	-----	
PROTEC-TION	OVERLOAD	85~100% Rated Output Power (Automatic Power Limited)							
	SHORT	Autorecovery							
	OVER CHARGE ALRAM	28.8 VDC							
	BATTERY LOW VOLTAGE ALRAM	21.2 VDC							
	COOLING	Convention	Convention	Convention	Fan	Fan	Convention	Fan	Fan



48 Volt Battery Backup System

MODEL		1072D-48FT-CD	1120D-48MT-CD	1120D-48CT-CD	1200D-48MT-CD	1200D-48CT-CD	1240D-48CT-CD	1500D-48CT-CD	11K0D-48T-CD
OUTPUT	DC VOLTAGE	55.2 VDC							
	RIPPLE & NOISE _(max)	400 mV							
	LINE REG.*	+/- 1%							
	LOAD REG.*	54.6~55.3 VDC							
	HOLD-UP TIME	16 ms/ 110VAC							
	RATED CURRENT	1.17A	1.95A	1.95A	3.26A	3.26A	3.92A	8.15A	16.30A
	CHARGING CURRENT	1.17A	1.95A	1.95A	3.26A	3.26A	3.92A	8.15A	16.30A
INPUT	FREQUENCY RANGE	47 ~ 63 Hz							
	INRUSH CURRENT(max)	20A/ 110VAC, 40A/ 220VAC							
	VOLTAGE RANGE	90~264 VAC 127~380 VDC	110/ 220 VAC 127~380 VDC	90~264 VAC 220~380 VDC	110/ 220 VAC 127~380 VDC	90~264 VAC 220~380 VDC	90~264 VAC 127~380 VDC	90~264 VAC 127~380 VDC	180~264 VAC 220~380 VDC
	AC CURRENT(max)	2.0A	5.0A	5.0A	5.0A	5.0A	5.0A	8.0A	18.0A
	Efficiency (Typ.)*	75%	80%	76%	80%	80%	80%	82%	83%
	PFC (min)	-----	-----	95%	-----	95%	95%	95%	-----
PROTECTION	OVERLOAD	85~100% Rated Output Power (Automatic Power Limited)							
	SHORT	Autorecovery							
	OVER CHARGE ALARM	56.6 VDC							
	BATTERY LOW VOLTAGE ALARM	42.5 VDC							
	COOLING	Convention	Convention	Convention	Fan	Fan	Convention	Fan	Fan

Rdy Connection



- A: Rdy Internal Connection of T Type Terminal Block
- B: Rdy Internal Connection of E Type Terminal Block
- C: Rdy Internal Connection of 500 watts Terminal Block only
(Isolation between the RDY connection Signal and the primary/ secondary side)

Part Number Rule

Please Choose Fit Function, And Fill In The Blank With Suitable Words.

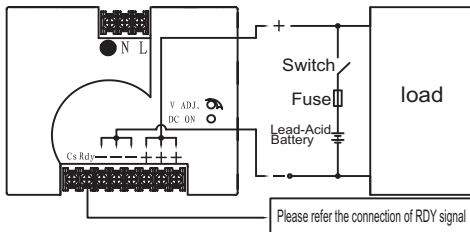
Order Model: RP1500D-24C - C

Optional Function:

Terminal Block: "T": PCB Barrier Terminal Block
"E": Mini Terminal Block

Connection (1)

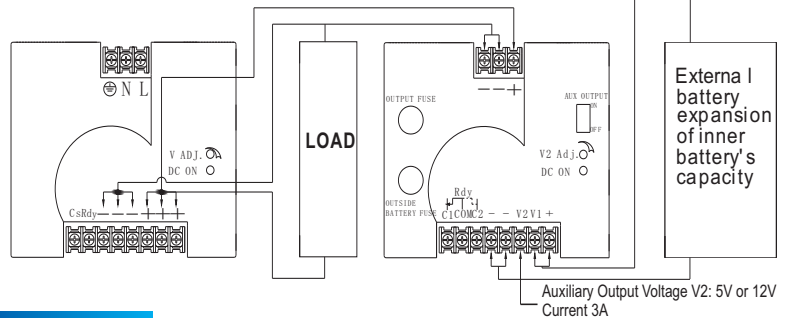
BACK-UP POWER SUPPLY



Notice. Charging current spec must over load current.

Connection (2)

REIGN POWER'S BACKUP POWER SUPPLY



EMC Standards

EN55022 CLASS A, EN50082-1
En55024, EN61000-3-2 CLASS A,
EN61000-3-3, EN61000-4-2,
EN61000-4-3, EN61000-4-4,
EN61000-4-5, EN61000-4-6,
EN61000-4-11
LVD IEC 60950 EN60950

Notice: RP1072D, RP1120D-xxM and RP1200D-xxM series can not meet the rule of EN61000-3-2
LP11K0D-xxT meet UL. but not get UL approval

Safety Standards

UL 60950 Approval
CSA 60950 Approval
CE Marking

Environments

Operating Temperature -15 ~ 50°C, Ambient
Operating Humidity 5 ~ 95% RH, No Condensing
Storage Temperature -20 ~ 85°C, Ambient
Vibration 2G, 10~500Hz, 3 axes

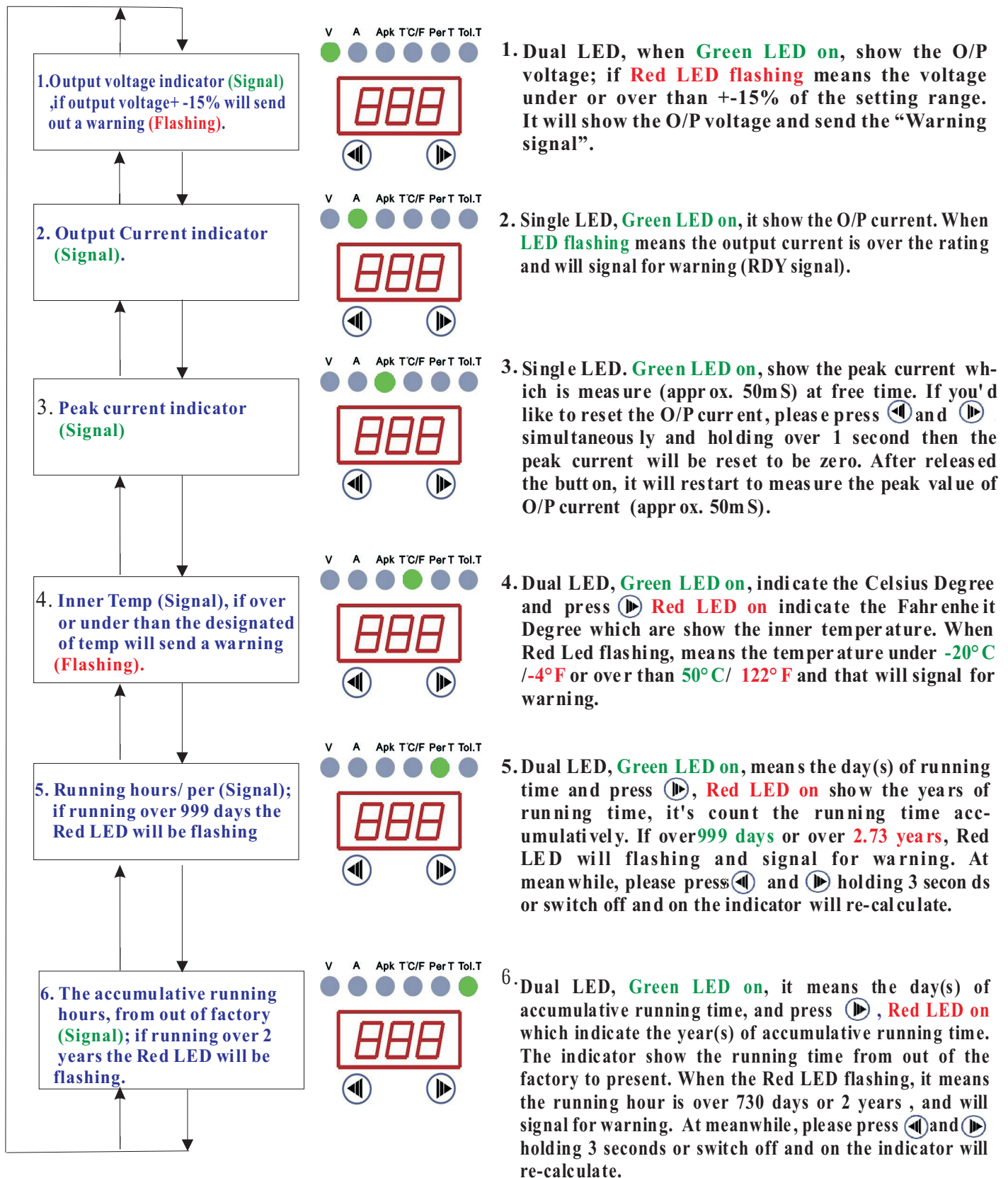
NOTE:

- Each output can provide up to maximum load, but total load can not exceed rated output power.
- Line regulation is measured from low line to high line at rated load.
- Load regulation is measured from 20% to 100% of rated load at 110VAC input. (Redundant function Sepc. 0.6V Add.)
- Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 110VAC input.
- Efficiency is measured at rated load and 110VAC input.
- Hold-up time is measured at rated load and 110VAC input.
- Reign Power reserve the right to change specifications at any time without notice.



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Instruction



1. Dual LED, when **Green LED on**, show the O/P voltage; if **Red LED flashing** means the voltage under or over than $\pm 15\%$ of the setting range. It will show the O/P voltage and send the "Warning signal".

2. Single LED, **Green LED on**, it show the O/P current. When **LED flashing** means the output current is over the rating and will signal for warning (RDY signal).

3. Single LED. **Green LED on**, show the peak current which is measure (approx. 50mS) at free time. If you'd like to reset the O/P current, please press and simultaneously and holding over 1 second then the peak current will be reset to be zero. After released the button, it will restart to measure the peak value of O/P current (approx. 50mS).

4. Dual LED, **Green LED on**, indicate the Celsius Degree and press **Red LED on** indicate the Fahrenheit Degree which are show the inner temperature. When Red Led flashing, means the temperature under -20°C / -4°F or over than 50°C / 122°F and that will signal for warning.

5. Dual LED, **Green LED on**, means the day(s) of running time and press , **Red LED on** show the years of running time, it's count the running time accumulatively. If over **999 days** or over **2.73 years**, Red LED will flashing and signal for warning. At meanwhile, please press and holding 3 seconds or switch off and on the indicator will re-calculate.

6. Dual LED, **Green LED on**, it means the day(s) of accumulative running time, and press , **Red LED on** which indicate the year(s) of accumulative running time. The indicator show the running time from out of the factory to present. When the Red LED flashing, it means the running hour is over 730 days or 2 years, and will signal for warning. At meanwhile, please press and holding 3 seconds or switch off and on the indicator will re-calculate.

Reign Power reserve the right to change specifications at any time without notice.