

SR750UN SERIES

AC/DC DC UPS 12V 24V 48V 750W



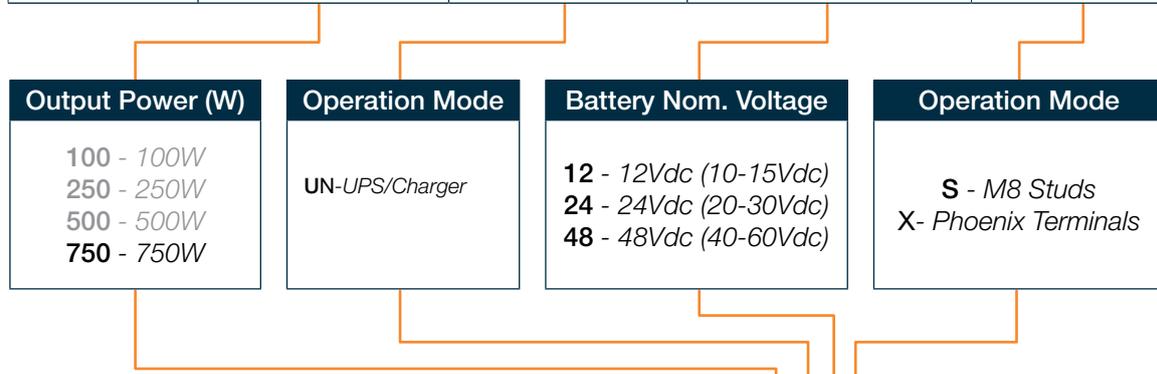
- Separate connections for load and battery with no-break switching between charger and battery.
 - Automatic temperature compensated charging voltage
 - Battery detection - regular battery presence and battery circuit integrity checks.
 - Battery deep discharge protection with low voltage disconnect.
 - Power loss & battery system alarms through relays and LED indications.
 - Different output connector options - M8 studs or Phoenix connectors.
 - Rugged design and construction for long life and challenging environments.
 - Thermal reliability improved by using double fan cooling system.
- Universal Input Voltage**
- The SR750un series accommodates a wide input voltage with AC input 90 ~ 264Vac.



High Efficiency

- Up to 90% power efficiency.

Base Model	Output Power (W)	Operation Mode	Battery Nom. Voltage	Output Terminals
SR	100 250 500 750	UN	12 24 48	S X



Example: SR750UN-12-S

750W DC UPS, 12Vdc Nominal Battery Voltage with Stud Terminals

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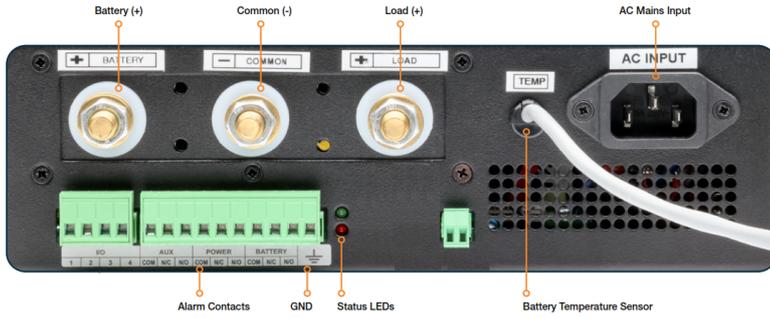
SPECIFICATIONS

Model	SR750UN-12-X	SR750UN-24-X	SR750UN-48-X
Output Voltage	13.8Vdc nominal	27.6Vdc nominal	55.2Vdc nominal
PSU Rated (A)	54A	27A	13.5A
Charge Limit (A) ¹	54A	27A	13.5A
Recommended Load (A)	40A	20A	10A
Peak Load on Power Fail	59A	30A	15A
Power			
Input Voltage	90-264Vac		
Frequency	47-63Hz		
Output Power (Max)	750W		
Output Voltage (Programmable)	12Vdc (10 - 15Vdc)	24Vdc (20 - 30Vdc)	48Vdc (40 - 60Vdc)
Voltage Adjustment Range (via RS-485 / Ethernet)	70 - 130% of V_{out}		
Safety			
Fusing Protection	Input fuse and varistor Battery fuse plus ECB for battery circuit		
Overcurrent Protection	Constant current limit under overload and short circuit conditions		
Isolation	I/P-O/P: 2121VDC / I/P-FG:2121VDC / O/P-FG: 707VDC		
Efficiency	Up to 90%		
Noise	<1%		
Operating Temperature	-10 ~ 50°C		
Over Voltage Protection	Programmed voltage + 7%		
Humidity	20-90% relative humidity non-condensing		
Cooling	Fan cooled (3 fans)		
LED Indication	Green: Batt OK Green: Power OK Flash code for different operating states		
Alarms Relay	Form C contacts 30VDC, 2A/110VDC, 0.3A, 125VAC, 0.5A AUX (Activated by BCT, Fan fail/stall (toggle every 5 sec)) POWER (mains fail, PSU fails) BATTERY (batt missing, batt low, BCT fail)		
Battery Charging			
Temp. Compensation	Temperature sensor on 1.7m lead with adhesive pad: -4mV/°C ±10% (customisable)		
Battery Charge Current Limit	Max rated load - load current		
Battery Circuit Protection	Electronic circuit breaker (ECB) operates under the following conditions: Low Battery Volts: Programmable (1.67V / cell default). Overload: Max load must not exceed 110% of rated current. Peak loads must be connected to B+ & B- terminals. Short circuit: <2ms, backed up by fuse.		
Standards and Mechanical			
EMC	CISPR 32:2015, Amdt 1:2020 Class A		
Safety	AS/NZS 60335.2.29		
Dimension	225(W) x 304(D) x 70(H)mm (excluding mounting feet and terminals)		
Weight	4.0kg		
Protection	IP20		

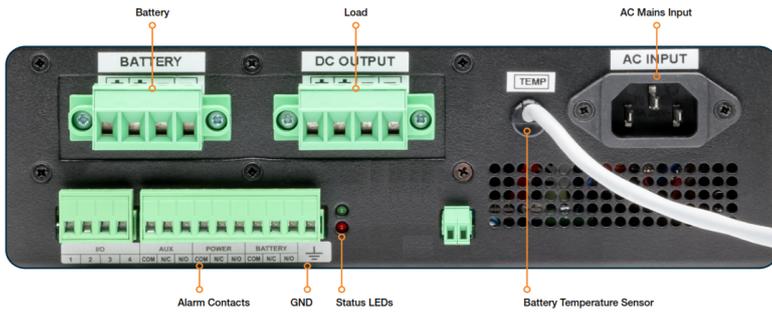
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REAR PANEL PICTURES



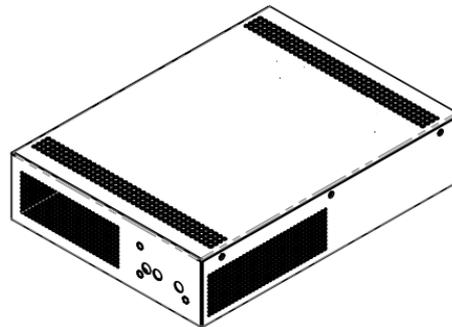
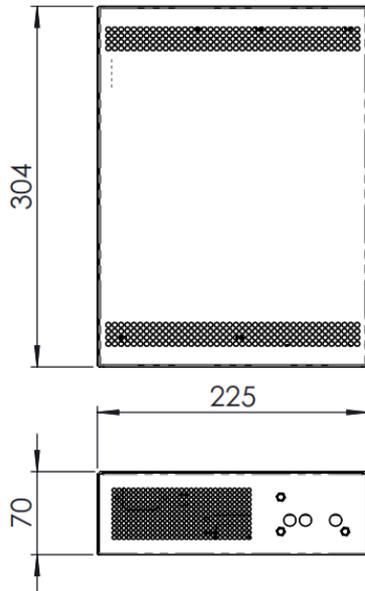
with M8 Studs



with Phoenix Terminals

MECHANICAL DRAWING

Units shown in millimetres (mm)



ISOMETRIC (NTS)

CONNECTION DIAGRAM

