

Outdoor Power Cabinet with Battery Shelf
-54.0VDC / 15A Output

LORS-415L

Product Features:

- Wall or Pole Mount Type
- Modular design for accommodating high power applications and easy maintenance
- Using by Li-ion Battery(-48V/10AH)
- Battery Charger and Monitor



Input Specifications:

VOLTAGE	1Ø3W220VAC
VOLTAGE RANGE	176VAC ~ 264VAC(±20%)
FREQUENCY	47-63Hz
INRUSH	30A @ 220VAC(Max Cold Start) per Module
LEAKAGE	3.5mA Max @ 220VAC
EFFICIENCY	90% Typical
POWER FACTOR	98% Typical
PROTECTION	Input Low voltage, High voltage

General Specifications:

OPERATING TEMP	-30 °C to +50 °C
STORAGE TEMP	-50 °C to +75 °C
OPERATING HUMIDITY	10% to 90% (non-Condensing)
STORAGE HUMIDITY	5% to 95% (non-Condensing)
COOLING	Natural Convection
RELIABILITY	100,000 Hrs MTBF
SIZE(W×D×H)	260x220x650mm
WEIGHT	20.5Kg(Include Module, Battery)

Output Specifications:

Vout	-54.0VDC
Iout	15Amax@-54.0VDC, 810W
ADJUSTMENT RANGE	-43.0 VDC ~ -54.6VDC
LINE REGULATION	±1% Max over entire input range
LOAD REGULATION	±1% Maximum
RIPPLE	≤ 250mVp-p(10Hz~14MHz)
OVER CURRENT	101~130%
OVER VOLTAGE	-54.6VDC(±0.3VDC)
PROTECTION	Output High Voltage, High Current DC Over Voltage Shutdown Thermal Shutdown

Electromagnetic Compatibility:

ELECTROSTATIC(ESD)	IEC 61000-4-2
EFT/BURSTS	IEC 61000-4-4
SURGE	IEC 61000-4-5
VOLTAGE DIPS	IEC 61000-4-11
VOLTAGE INTERRUPTIONS	IEC 61000-4-11
EMS	IEC 61000-4-3



UPB 4810

Li-Ion Polymer Battery
-48.0VDC / 10AH Output

Product Features:

- Li-ion Polymer Battery
- Managing by BMS
- Protection Rectifier & Charging Battery
- Made in LG Chemical



General Specifications:

VOLTAGE	54.0V(54.3V Max)
CURRENT	10AH
RECHARGE CONDITION	Method CC / CV 5A / 54.3V End of Current 500mA
DISCHARGE CONDITION	Method CC
OPERATING TEMP	-30 °C to +60 °C
STORAGE TEMP	-30 °C to +60 °C
OPERATING HUMIDITY	10% to 90% (non-Condensing)
STORAGE HUMIDITY	5% to 95% (non-Condensing)
SIZE(W×D×H)	200x274x125mm
WEIGHT	7.5Kg

BMS(Battery Management System):

MAX CHARGE VOLTAGE	54.3V
AVERAGE DISCHARGE/CHARGE CURRENT	2A / 5A
MAX DISCHARGE/CHARGE CURRENT	30A / 9A
INTERFACE	RS232
PROTECTION BY BMS	Over charge / Discharge High Current High Temperature

