

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

### 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**
- **Full Featured Status and Alarms**
- **Dry Contact Alarm**
- **Convection Cooling Type (no fan)**



### INPUT SPECIFICATIONS:

VOLTAGE	1Ø3W220VAC (±20%)
FREQUENCY	47Hz ~ 63 Hz
INRUSH CURRENT	30A @ 220VAC Full Load (Max Cold Start)
PROTECTION	Mains fuse in both lines
LEAKAGE	3.5mA Max @ 220VAC per Module
INPUT PROTECTION	Input Undervoltage; Output Overvoltage
EFFICIENCY	≥90% typical
HARMONICS	EN61000-3-2 Class D Compliant (≥98PF)

### OUTPUT SPECIFICATIONS:

OUTPUT VOLTAGE	-54.0VDC
OUTPUT CURRENT	15Amax
ADJUSTMENT RANGE	-43.0VDC ~ -54.6VDC
LINE REGULATION	±1.0% Max over entire input range
LOAD REGULATION	±1.0% Maximum
RIPPLE	≤ 250m Vp-p (10Hz~14MHz)
OVER-CURRENT	105~130%
OVER VOLTAGE PROTECTION	-54.6VDC (±0.3VDC) Output High Voltage, High Current DC Over Voltage Shutdown Thermal Shutdown

### STATUS & CONTROL SIGNALS:

COMMUNICATION INTERFACE	Dry Contact (2Ports) : Normal Open
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### GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-30°C to +50°C
STORAGE TEMPERATURE	-40°C to +85°C
OPERATING HUMIDITY	10% ~ 90% (non-condensing)
STORAGE HUMIDITY	5% ~ 95% (non-condensing)
COOLING	Natural Convection
RELIABILITY	100,000 Hrs MTBF
SIZE (WxDxH)	260 x 220 x 650 mm (Power Cabinet)
WEIGHT	20.5KG (Includes Module, Battery)

### ELECTROMAGNETIC COMPATIBILITY:

EMISSIONS	EN55022 Level A (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4KV Contact/ 8KV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3, 26MHz-1000MHZ, 10V/m, 80%AM
EFT/BURSTS	EN61000-4-4, 2KV
SURGES	EN61000-4-5
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10Vrms, 80%AM
VOLTAGE DIPS	EN61000-4-10, 95% Dip, 10ms / 30% Dip, 500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms

### STANDARDS & APPROVAL: TBD

UL/cUL	IEC/UL 60950-1
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## 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)	200 x 274 x 125mm
WEIGHT	7.5Kg

### BMS (BATTERY MANAGEMENT SYSTEM):

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

