

HORS-430L

Outdoor Power Cabinet with Battery Shelf
-54.3VDC / 30A Output

Product Features:

- Outdoor Rectifier system
- Modular design for accommodating high power applications and easy maintenance
- Using by Li-ion Battery(-48V/10AH)
- Automatic battery Charging
(Floating mode with Temperature compensation)



Input Specifications:

VOLTAGE	1Ø3W220VAC
VOLTAGE RANGE	176VAC ~ 264VAC(±20%)
FREQUENCY	57-63Hz
INRUSH	30A @ 220VAC(Max Cold Start) per Module
LEAKAGE	3.5mA Max @ 264VAC per Module
EFFICIENCY	90% Typical
POWER FACTOR	98% Typical
PROTECTION	Input Low voltage, Over voltage
INPUT PORT	AC Input Port(20A) 2port/AC Outlet(5A) 1port

Output Specifications:

Vout	-54.3VDC
Iout	30Amax@-54.3VDC, 1620W
ADJUSTMENT RANGE	-43.0 VDC ~ -54.3VDC
LINE REGULATION	±1% Max over entire input range
LOAD REGULATION	±1% Maximum
RIPPLE	≤ 250mVp-p(10Hz~14MHz)
OVER CURRENT	105~130%
OVER VOLTAGE	-54.6VDC(±0.3VDC)
OUTPUT PORT	Battery : P1,2(35A), RU : L1~3(20A)
PROTECTION	Output Over Voltage, Over Current DC Voltage Shutdown Thermal Shutdown(Over 75 degree) Batter Over discharge

General Specifications:

OPERATING TEMP	-30 °C to +50 °C
STORAGE TEMP	-40 °C to +75 °C
OPERATING HUMIDITY	5% to 90% (non-Condensing)
STORAGE HUMIDITY	5% to 95% (non-Condensing)
COOLING	Convection
RELIABILITY	100,000 Hrs MTBF
SIZE(W×D×H)	315x400x675mm
IP	IP55
WEIGHT	About 20Kg(exclude Lithium Battery)

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



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

UPB 4810

Product Features:

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



General Specifications:

VOLTAGE	50.4V(58.8V Max)
CURRENT	10AH
RECHARGE CONDITION	Method CC / CV 5A / 58.8V End of Current 500mA
DISCHARGE CONDITION	Method CC 10A / 42.0V
OPERATING TEMP	-20 °C to +50 °C
STORAGE TEMP	-50 °C to +45 °C
OPERATING HUMIDITY	0% to 90% (non-Condensing)
STORAGE HUMIDITY	0% to 95% (non-Condensing)
SIZE(W×D×H)	200x274x125mm
WEIGHT	About 7.5Kg

BMS(Battery Management System):

MAX RECHARGE VOLTAGE	58.8V
AVERAGE DIS/CHARGE CURRENT	10A / 5A
MAX DIS/CHARGE CURRENT	30A / 10A
INTERFACE	RS232
PROTECTION BY BMS	Over charge / Discharge High Current High Temperature

Dimension :



Block Diagram :

