

Outdoor Solution

NetSure™ Series



KEY FEATURES

- High Efficiency, above 95%
- reduces power consumption for lower operating costs.
- Full-front access and concurrent hot plug for easy serviceability.
- High Degree of Ingress Protection. Protection
- Wide Input voltage (85-300Vac) and Temp Range (-40°C to 75°C).
- Compliant with global standards – delivers quality, performance and reliability no matter what the application or location demands.
- Multiple communication ports such as Ethernet port, Potential free Contacts, GPRS Modem (optional) etc for flexible networking to achieve remote monitoring

DESCRIPTION

Outdoor Enclosure Solution is an integrated power supply solution for outdoor applications, which is engineered from years of innovation and pioneering approach in Research and Design of communication-based outdoor cabinets. It is a holistic implementation of a centralized power supply, monitoring modules, AC/DC distribution units, lightning protection utility, enhanced temperature control, anti-theft system, battery and equipment chambers.

With Solar Attachment, it can be configured for solar energy source for the sites. It comes with different attachment for the 12V Battery, Li-Ion Battery and 2V VRLA Battery. It is equipped with the latest supervisory and management modules.

Outdoor Cabinet ensures superior efficiency and close control of temperature. It also increases the service life of the battery significantly and reduces the noise substantially.



DCPS 500A@48VDC

APPLICATION

- BTS Sites
- Access Network Station
- Rural Telecom Network
- Transmission Relay Station



ODU Front View



ODU Front View w/o Door

SYSTEM CONFIGURATION

Voltage Range (AC)	85V – 300V
Max Input Current	47A per Phase
Input Phase	3P + N + E
System Capacity	48V @ 500Amps
Controller	M530B
Rectifier	Max 6 x 4000W
Lightning Protection	Class C at system Level and Class D at Module Level
Altitude	2000 m, 6560 ft. at full power
Operating Temp Range	-40°C to +75°C /-40°F to +176°F
Relative Humidity	0 to 95%

DISTRIBUTION

AC Input	63A/4P MCB
Battery Distribution	315A HRC Fuse X 2 Nos
No. of Operator	4 Nos
DC Distribution (PL)	6A - 63A / 1P X 2 Nos per Operator
DC Distribution (NPL)	80A - 125A / 1P X 2 Nos per Operator
Solar Interconnection	Terminal Block

CABINET SPECIFICATION

IP	IP55
Thermal	PWM Fan Controller
Delta Temp	7°C ± 2°C
Sensor	Ambient Temp Sensor, Battery Temp Compensation, Door Open, Smoke
Cable Entry	Bottom from PG Gland
PG Gland	PG 29 - 05 Nos, PG 16 - 07 Nos
Door	Front and Back
Utility Socket	01 Nos

MECHANICAL AND OTHER

	800 D X 900 W X 2337 H
Remote Monitoring	PFC / GRPS / SNMP V2C
Battery Theft Protection	Optional kit

SPACE FOR BATTERY

Configuration -1	BATTERY - 12V 200Ah, 4 Strings, Dimensions (in mm)- 559L x 129W x 327H
Configuration -2	Li-Ion Battery, 6 Strings, Dimensions (in mm)- 557L x 483W x 173H
Configuration -3	BATTERY – 2V 600Ah X 24, 1 Battery Bank, Dimensions (in mm)- 480L x 706W x 1496H

STANDARD COMPLIANCE

EU Directive	CE
Safety	EN 62368-1:2014/AC:2015
EMC	EN 55032:2015/A11:2020, EN 61204-3:2020