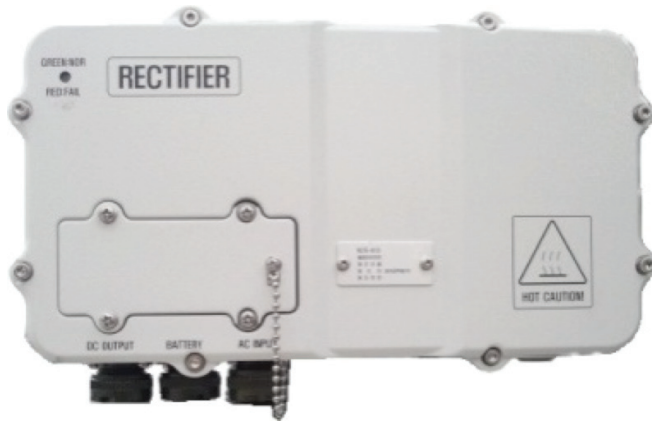


Small Cell Power Series Outdoor Rectifier KLTE-413 13 A 54 Vdc 220 Vac



Outdoor Rectifier for 4G and LTE mobile networks.

FEATURES

High efficiency

Efficiency up to 90%

Wide input voltage range

176 - 264Vac 1ph

High operating temperature range

Operating -30° to +50° C

Reliable convection cooling

Standards

UL, CE, NEBS Level 3

Optional - Outdoor Battery Cabinet

IP55 enclosure

Wall mount

Pull out battery racks

Battery breaker 20A

Lock and key security

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SPECIFICATIONS

AC Input

Nominal	220 Vac 1ph
Range	176 - 264 Vac
Frequency	47~63 Hz
Inrush	20 A at nominal input (max cold start)
Current	4 A at nominal input (max continuous)
Leakage	3.5 mA at 264 Vac
Efficiency	Up to 90%
Input protection	Double pole 10 A fuse / 250 Vac Undervoltage Overvoltage

DC Output

Nominal voltage	53.3 Vdc
Adjustment range	40.0 - 58.0 Vdc
Output current	13 A max
Line regulation	± 0.5% Max over entire input range
Load regulation	± 0.5% Max
Temperature regulation	± 0.5% Max
Ripple and noise	≤250 mv, p-p, (10 Hz - 14 MHz)
Over current	105 - 130%
Output projection	Overvoltage ≤ 59 Vdc (recycle input to reset) thermal shutdown battery temperature compensation

General Specifications

MTBF	150,000 hours
Operating temp	-30° to +50° C
Storage temp	-40° to +85° C
Humidity	10 - 90% non-condensing
Cooling	Convection cooling
Environment	NEBS Level 3
Altitude	3,000 m
H x W x L	150 x 280 x 110 mm
Weight	5 kg
Communication	High signal indicates DC is within regulation
Interface	RS485, TCP/IP

Standards

Electrical safety	IEC 60950-1, UL 60950-1
EMC	EN 55022 Class A (conducted) IEC 61000-4-2 (electrostatic discharge) IEC 61000-4-3 (radiated immunity) IEC 61000-4-4 (fast transients) IEC 61000-4-5 (surge immunity) IEC 61000-4-6 (conducted immunity) IEC 61000-4-10 (voltage dips) IEC 61000-4-11 (voltage interruptions) IEC 61000-3-3 (fluctuations & flicker)
Harmonics	EN 61000-3-2 Class D
Certification	UL, CE LVD CB

Optional - Battery Cabinet

Environment	IP55
Shelf	Pull out shelf (2)
Configuraton	4 x 12V 12Ah batteries
Battery breaker	20A
Security	Lock and key
H x W x L	370 x 260 x 220 mm
Weight	25 kg with batteries