

REC300D48FNC

REMOTE FEEDING LOW POWER DOWN CONVERTER

- › Stand alone All in One down converter for remote feeding applications
- › Compliant with EN60950-21 RFT-C
- › Up to 300W output power
- › Fan cooled
- › Embedded monitoring

This compact 300W remote energy solution provides high availability of power to remote sites in the local loop of the newest networks. The remote feeding solution operates on existing copper networks. It does not require any site safety approvals or input stage as it is not connected to the mains: it can be quickly and very cost effectively installed, enabling operators to promptly offer new services in remote areas. This solution takes advantage of the battery energy back-up power provided centrally. In this way high availability is provided at the remote site without increasing the number of remote battery locations and the exponential costs associated with their maintenance.

The module is designed to be mounted directly on a wall, a plate Snap-in connectors allow quick connection to the load and to the feeding pairs.

The remote feeding solution of Alpha Innovations is very safe. On the top of standard EN60950-1, it is also designed in combination with a central up converter compliant with the IEC/EN60950-21 safety standard. In addition, any circuit failure will shut down the source of power, eliminating any risk of electrical shock.

Electrical

Input Voltage:	200 to 370 Vdc
Input Current	0.95A @ nominal power 1.4A maximum (24 lines)
Efficiency:	92% typical (including start-up protection system)
Power output:	300W
Voltage output :	-54Vdc
Current output:	5.55A @ -54Vdc 6.25A @ -48Vdc

Environment

Temperature:	
Standard:	-25 to 70°C (-13 to 113°F)
Storage:	-40 to 80°C (-40 to 176°F)
Humidity:	
Operating:	5 to 95% RH non-condensing
Storage:	5 to 100% RH non-condensing
Elevation:	Up to 2500m (8200ft)
Cooling:	Fan cooled

Mechanical

Dimensions:	
mm:	45.5H x 105W x 254D
inches:	1.8H x 4.15W x 10D
Mounting:	wall or plate
Weight:	0.500kg (1.1lb)
Connections	
DC input:	6x 8 poles terminal block (0.14 to 1.5mm ²)
DC output:	2 poles terminal block (0.14 to 1.5mm ²)
Communication output:	2 poles terminal block

Standards

Safety:	CE marked EN60950 (designed to meet) UL60950 (designed to meet)
Environment:	RoHS compliant IEC 60068-2-27
EMC:	ETSI EN 300 386

Standard Part Numbers

9411 030 35011: RLP 300W down converter with integrated monitoring