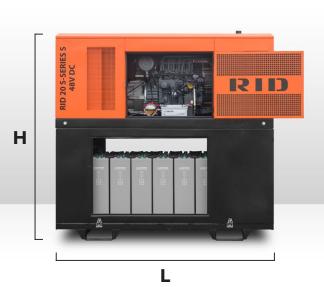


ANTI VANDAL TELECOM GENSET 15 KW DC







POWER RATING

	OUTPUT RATINGS	PRIME
Power	kW	14,4
Current	А	50 - 300
Voltage	V	48 DC

PRODUCT OVERVIEW

RATINGS DATA	
Order number Generator	713310
Alternator Model	RID PMG
Engine Type	Deutz - F3M2011
Generator type	Permanent magnet generator
Control Panel	RID 1000 H

DIMENSIONS AND WEIGHTS

LENGTH (L)	WIDTH (W)	HEIGHT (H)	WEIGHT	TANK CAPACITY
2200 mm	1350 mm	2225 mm	3200 kg	500 l

NOISE LEVEL -

1 METER	4 METER	7 METER	10 METER
62,8 dB(A)	55,7 dB(A)	52,8 dB(A)	50,9 dB(A)



ANTI VANDAL TELECOM GENSET 15 KW DC



— ENGINE TECHNICAL DATA –

ENGINE TECHNICAL DATA		PRIME	STANDBY		
Engine output	kW	20,4	21,4		
Engine type		DEUTZ F	-3M2011		
Engine size		3-Cylindo	3-Cylinder; in-line		
Injection system		single injection pump			
Rotational-speed range	rpm	1500			
Bore Stroke	mm	94 112			
Cooling system		oil + air			
Speed regulation	gulation mechanical		anical		
Compression ratio		19:1			
Displacement	I	2,3			
Engine with cooling system	kg	265			

- FUEL SYSTEM -

POWER STANDARD		25%	50%	75%	100%
Fuel consumption PRIME I/h		1,9	2,9	4,2	5,8

- COOLING SYSTEM -

Cooling system		oil + air
Cooling system capacity	I	9
Max. coolant outlet temperature	°C	128
Heat dissipation (radiator)	kW	10,9
Fan power consumption	kW	0,4
Cooling air flow	m³/h	1800

AIR SYSTEM

Air Filter Type		replaceable Element
Combustion air volume	m³/h	86
max. intake depression	mbar	20

- LUBRICATION SYSTEM -

Oil type		RID 5W30
Oil filter type		replaceable element
Total oil volume	- 1	9
Max. oil temperature	°C	130

EXHAUST SYSTEM

Silencer type		Industrial
Max. exhaust back pressure	mbar	30
max. exhaust gas temperature	°C	611
Exhaust gas flow	m³/h	236



ANTI VANDAL TELECOM GENSET 15 KW DC



— ALTERNATOR DATA —

MODEL	RID PMG
Description	Super Compact Permanent Magnet Generator
Ratings	12 kW – 220Adc
Winding	6~
Nominal voltage	48V DC
Rectifier	redundant rectifier bridge B12
Rated speed	1000 to 3000 rpm
Execution	single bearing
Protection	IP54
Protection class	I
Dielectric strength	2500 VAC (1 Min)
Efficiency	94%
Ripple with capacitor	0,05V
Weight approx	57 kg
Drive / flange	SEA 5 / 7.5 or SEA 3 / 11.5



ANTI VANDAL TELECOM GENSET 15 KW DC



BATTERY DATA

24x GRID POWER VR L 2-1080 ABS VERT (OPzV)

Series: OPzV according to DIN

Sealed lead acid battery

Version: Stationary sealed lead-acid battery 9 OPzV 900

(GUG - filled and loaded, type of installation - VERT - vertical,

HORIZ - horizontal)

Cell vessel: gray-colored, smooth-walled vessels with high stability

Capacity: 1077 Ah with 10-hour discharge at 108 A.

Design Life (20°C): 20 years

Float voltage (20°C): 2.25 +/- 1% V / cell

Accessories: battery connector and screws fully insulated

Standards: IEC 60896-21 / 22

BATTERY BENEFITS

- Maintenance-free regarding water refilling due to innovative Gel-technology
- Very high expected service life due to optimized lead-calcium alloy
- Very high cycle stability due to tubular plate design
- Maximum compatibility design according to DIN 40742
- Optimal space utilization due to possibility of horizontal arrangement
- Higher short-circuit safety even during the installation based on HOPPECKE system connectors

AIR CONDITIONER DATA

DC Air Conditioner for Telecom (dc series)

- 48V DC power input
- 600W cooling capacity
- Door mounted easy integration in outdoor cabinets
- Optional configured with heater
- Wide working temperature range: -40°C to +55 °C
- Energy saving
- Lifetime >10 years minimum maintenance
- Environmental friendly R134a and RoHS compliant
- Resistant to corrosive environments IP55 and Salt fog tested
- RS485 for remote control
- Soft start





ANTI VANDAL TELECOM GENSET 15 KW DC



CONTROL PANEL -

~ RID 1000 H - HYBRID ~



ON BOARD FUINCTIONS

Low Fuel	available
Lube Oil Pressure	available
Load on DG	available
Load on Mains	available
Engine over speed	available
Engine over frequency	available
DG Fails to start/stop	available
Mains voltage low/high	available
Alternator fail	available
DG Battery low	available
BTS Battery Low Voltage	available
DG Battery Charge Fail	available
HTC (High Cylindrical Temperature	available
Load on bypass	available
DG Door Open	optional
Balanced/Unbalanced Load	optional
Mains fail/no mains supply	available
Mains on	available
DG On/Off	available
Mains contactor fail	available
DG Contactor fail DG Voltage high	available

REMOTE MONITORING FUNCTIONS -

Low Fuel	available
Lube Oil Pressure	available
Load on DG	available
Fuel Level	available
Lube Oil Pressure/Level	available
Remote Start/Stop	available
Remote Mode Control (Auto/Manual)	available
Coolant Temperature	available
DG Battery Voltage	available
Mains Voltage Level	available
DG Engine Speed	optional
DG Engine Frequency	available
BTS Battery Voltage Level	available
Mains Load Current	available
DG Load Current	available
Current DG Run Hours	available
Fuel Consumption Threshold and History	available
Cylindrical Temperature Level	available
Maintenance schedule	optional
Auto Start/Stop	optional
Delayed Time Start/Stop	available
48V Logic	optional
Scheduled Start/Stop	available
Over Ethernet and IP	available
DG Battery Voltage	available