HYBRID GENSET FOR TELECOMS

P22-6 – 10 kW – 20 kWh – R01

- **Low fuel consumption**
- **Low maintenance costs**
- **Reliable**

GeniWatt

MAIN CHARACTERISTICS

HYBRID
Best efficiency & optimized fix speed to reduce fuel consumption and maintenance

GENIWATT DESIGN
Designed & manufactured by a leader in engines applications & hybrid systems

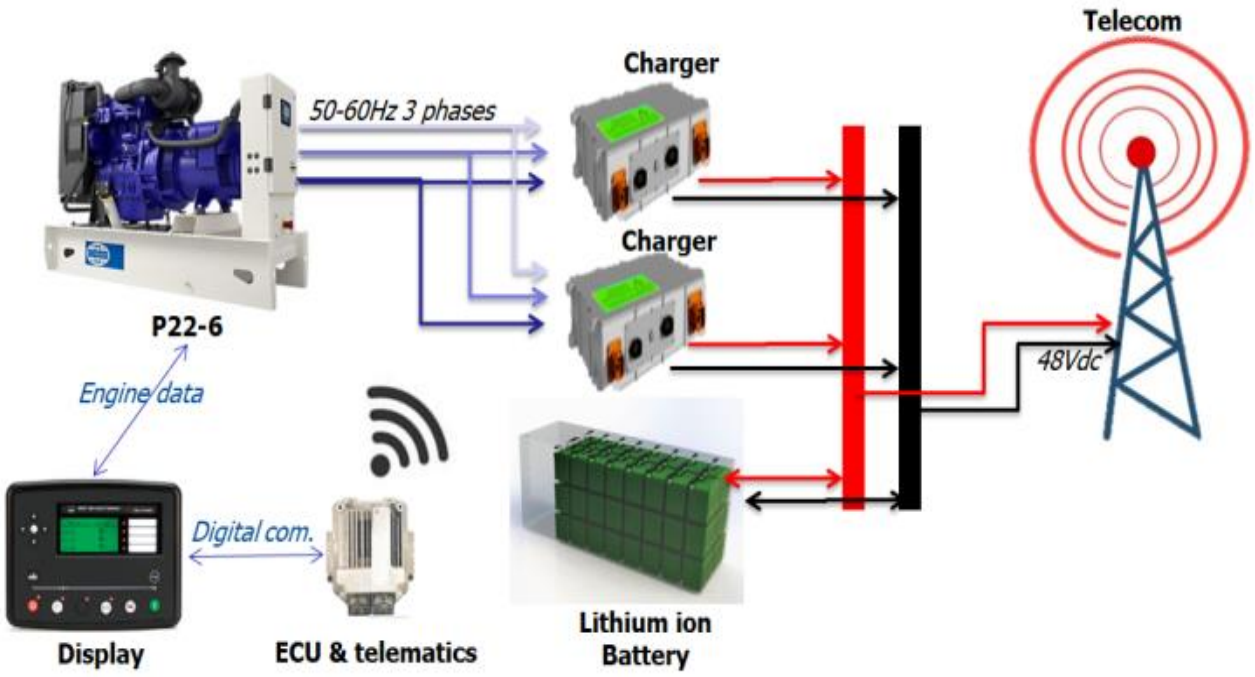
FG WILSON GENERATOR
Warranty and product performance guaranteed by a global leader

LONG LIFE LITHIUM ION BATTERY
22kWh & 48Vdc lithium ion battery able to absorb power peak demand up to 10kW

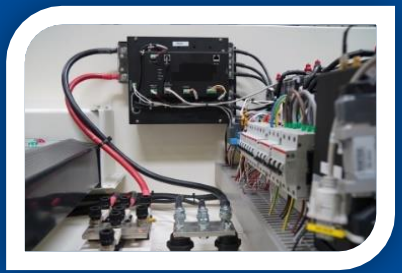
ROBUST DESIGN
Anti-thief design

TELEMATICS
3G Telematics allowing data supervision on a dedicated interface

SYSTEM



PROVEN COMPONENTS



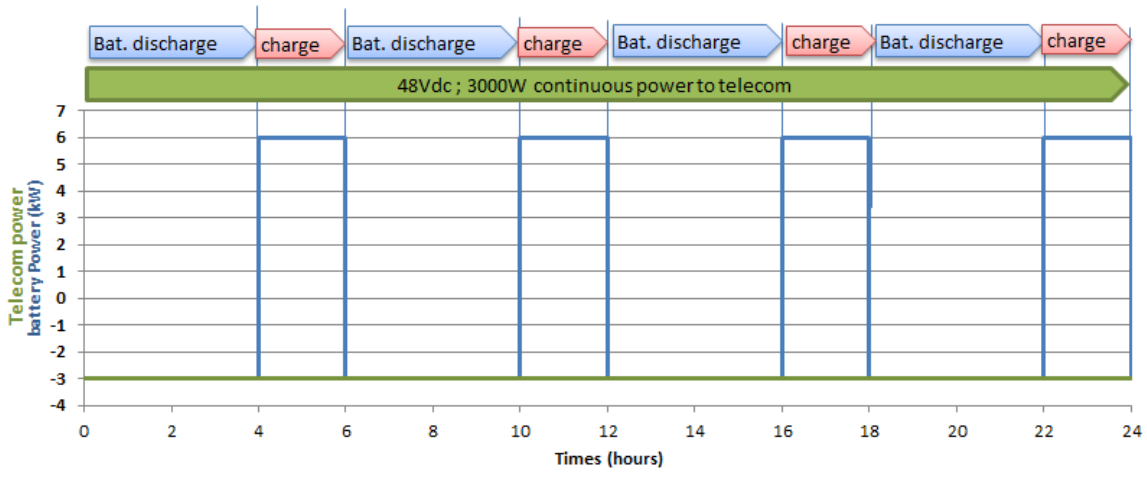
SPECIFICATIONS

Generator	FG Wilson P22-6
Engine	Perkins 404D-22G , Diesel 4 cyl, 2,2 lit
Alternator	LL1114M Leroy Somer setting 380V-440V 50 or 60Hz
Max power @48V	10 000 W
Nominal Power @48Vdc	3 000 W
Fuel tank	1000 L
Available Operating Temperature	[0;+45] °C
Available Storage condition	[-20;+25] °C
Voltage range	[42; 58.1] Vdc
Battery	Lithium-ion
Cell type	NMC
Energy	23.6kWh
Max battery autonomy @3kW	7h
Genset autonomy between maintenance	500 Hours (option 1000 h)
Estimated battery lifetime	~7 years*
Weight (approx.)	717 kg

* all data are for information only and subject to change due to customer use case.

DUTY CYCLE

The hybrid genset is design to provide 48Vdc electricity full time to the telecom. Thanks to the innovative design, with a nominal discharge power (3 kW), the diesel engine is only working 1/3 of the time for battery charging, allowing low maintenance and low fuel consumption. See below the Hybrid genset duty cycle example.



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