



Pulse Power Module PPM-1630

Features & Benefits

- **1 Kw delivered in one second**
- **-40°C to +65°C operating range**
- **High pulse current for starting motors/generators**
- **High steady load (up to 30 A) applications**
- **Low ESR for prolonged battery life**

No new engineering or complicated reconfiguration required with the OptiXtal System. You just remove your old heavy, high amp battery and replace it with the lighter, OptiXtal System. That means you're up and running in minutes. Once installed, the OptiXtal System is extremely durable and resistant to abuse, shock and vibration.

When is hot too hot ... cold too cold?

Battery effectiveness is affected by temperature. When it gets cold the cranking power drops precipitously. Which means you could quickly be dealing with a dead battery, or a battery that no longer delivers sufficient power to start the diesel generators. At -20C, for example, a battery loses a full 50% of its cranking power. Change over to the new OptiXtal System you'll retain 90% of your cranking power at this temperature. Just think about how hard it is to get those diesel generators to jump-start in the cold. You'll be glad of every amp you can get. But with the OptiXtal System, you'll be assured of all the amperage you need.

Fast recharge...high power retention

Once the OptiXtal System has been discharged, it recharges in a matter of seconds. And it's rated to repeat the charge-discharge cycle half a million times. This could be important if it takes a few tries to get a diesel generator up and running. As for the amount of time a standard high amp battery takes to get the diesel generator started, the OptiXtal System is at least 20% faster. Finally, the OptiXtal System has very low self-discharge. Fully charged, it retains full power.

APPLICATIONS:

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- **Backup generators for Cell Towers, Data Centers, Hospitals, Commercial and industrial Buildings**
- **Generators for Agricultural Irrigation, Water Processing and Purification, Power interruptions**
- **Diesel engine start-up**

SPECIFICATIONS

Rated Capacitance	30 F
Energy Storage (max)	1 Wh
Voltage (max)	16.2 V
ESR (milliohms)	30
Weight (max.)	1100 g
Operating Temperature	-40 C to + 65C
Pulse Current (max)/Current	100 A for 900 milliseconds, 30 A max steady load
Leakage current	Less than 100 Microamps at 12 Volt constant after 70 Hours; 18.3 ° C (65 F)

Physical Dimensions

- **L = 250 mm**
- **D = 82 mm**
- **W = 150 mm**

