

**From:** Bhaumik Patel  
**To:** louis.a.corbo.ctr@mail.mil; Michele Dubois  
**Subject:** Service Report for WO-00056176  
**Date:** Tuesday, October 22, 2019 2:08:23 PM



## Field Service Report for Inverter with S/N: #091222-36Inverter

### I Inverter Information

Case	
Case Number:	00103503
Case Initiated by:	Phone
Work Order Number	WO-00056176
Billing Type:	Billable
Location	
Site:	U.S. Army 99th Regional Support Command
Street:	200 Dwayne Rd
City:	Fort Totten
Zip:	11359
Country:	United States
Contact	
Contact Name:	Louis Corbo
Contact Account:	US Army Reserve Center
Contact Phone:	(718) 631-6100
Contact Email:	louis.a.corbo.ctr@mail.mil
Product	
Serial Number:	091222-36Inverter
Model:	PVI 82kW
SRV Address:	DC:0C:58

### II Service Assignment

Technician:	Vern Walsh
Schedule Date:	10/17/2019 9:30 AM

### III Evaluation

Subject:	Wait for Grid
Arrival/Inspection	
Safety Officer:	Louis Corbo
Weather Conditions:	55F Cloudy/Windy (Storm Warning)
Systems Status	PV array not inspected
Equipment Inspection:	1) Unit has a rust spot on the top of the inverter from a leaky water pipe. 2) Air intake screen found heavily clogged 3) Unit was in need of T.B. hardware updates
Inverter Events:	Not available upon arrival / available upon departure
Communication Path Inspection:	Revenue grade metering only
Air Intake:	Heavy Blockage (Refer to manual for suggested maintenance schedules)
Exhaust:	Clear

### IV Service

Analysis:	Arrived onsite to find the unit powered off. Upon testing it was confirmed that the DMGI660 power stage was faulty. The DMGI660 power stage was then replaced. DSP firmware was updated to A85 & solrenview firmware updated to C20130730. Technical bulletin hardware updates performed to the unit; Twist contactor signal wiring & vent capacitor heat shrink. Air intake screen found heavily
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	clogged and restricting all airflow to inverter. Air intake screen was cleaned and customer was notified. After repairs and updates the inverter was proven to be in good working condition. It was left grid connected and producing power.
Action Taken:	1) Replace DMGI660 power stage 2) Update DSP firmware to A85 3) Update Solrenview firmware to C20130730 4) Performed technical bulletin hardware updates 5) Cleaned air intake screen 6) verified proper operations
Customer Feedback:	Air intake screen should be cleaned annually to allow proper airflow to electrical components. Failure to clean the air intake screen will result in loss of performance and possible failures.

## V Functional Inspection

Vdc (open circ.):	435
VDCmpt:	390
String/Subcombiner Currents:	n/a
Array Accessible?	NO
Irradiance (w/m^2):	0
Equipment Status:	Operational - Energized

Yaskawa Solectria Solar is committed to providing its customers with the best service and quality. In line with our commitment to continuous improvement, we are looking to examine our current performance across a broad range of issues critical to our success. The best way to do this is by asking you to participate in this Customer Service Survey and to provide us with your opinion on how Yaskawa Solectria Solar and our personnel are currently performing.

Please take the time to fill out our Customer Satisfaction Survey [here](#).

Thanks,

Technical Support  
978-683-9700 x. 2

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