

Emcore Photovoltaics is in volume production of high-efficiency multijunction solar cells for spacecraft applications. Emcore's latest product is the advanced triple-junction (ATJ) InGaP/InGaAs/Ge solar cell. The ATJ cell exhibits a beginning-of-life (BOL) minimum average conversion efficiency of 27.5%, making it the highest efficiency flight cell available in ...

The Contract Award is Valued at \$22 Million. ALBUQUERQUE, N.M., June 20, 2013 (GLOBE NEWSWIRE) -- EMCORE Corporation (Nasdaq:EMKR), a leading provider of compound semiconductor-based components and subsystems for the fiber optic and solar power markets, announced today that it has entered into a supply contract with the Indian Space ...

EMCORE's entry into the industry has advanced solar cell efficiency from 17%, the standard for silicon-based technology prior to 1998, to 37% conversion efficiency for its latest generation Inverted Metamorphic Multi-Junction (IMM) solar cells that are currently being introduced to volume production. ... With the success of the ...

This new contract follows several other earlier long-term supply agreements between SSL and EMCORE. The solar cells will be designed and produced at EMCORE's state-of-the-art manufacturing facility located in Albuquerque, New Mexico, USA. EMCORE has been supplying SSL with solar cells for its satellite programs for 15 years.

We present data on the Emcore 29.5% class ZTJ cell that has been qualified to the AIAA S-111 cell standard, and is now in high volume production for a number of flights. We present a summary of the results from the cell qualification tests, focussing on the testing methodology as well as the results for the combined effects test. In addition, the ZTJ cell has been qualified to ...

For satellite applications, EMCORE offers high-efficiency compound semiconductor-based gallium arsenide (GaAs) solar cells, covered interconnect cells and fully integrated solar panels. For terrestrial applications, EMCORE offers concentrating photovoltaic (CPV) systems for utility scale solar applications as well as offering its high ...

The one-hundredth satellite to generate its primary power via Emcore's high-efficiency, multi-junction solar cells was launched last month.. According to the Albuquerque, New Mexico, company, the Space Systems/Loral RF payload will provide K u and C-band capacity for multiple communications applications.. Along with the Boeing subsidiary Spectrolab and Azur ...

ALBUQUERQUE, N.M., March 24, 2014 (GLOBE NEWSWIRE) -- EMCORE Corporation (Nasdaq:EMKR), a leading provider of compound semiconductor-based components and subsystems for the

fiber optics and space solar power markets, announced today that it has been awarded a contract by Sierra Nevada Corporation (SNC) to design and manufacture solar ...

EMCORE and Space Systems/Loral will mark the occasion with a special event at EMCORE's Albuquerque facilities during the week of February 25, and with a commemorative award symbolizing the 1 millionth solar cell. EMCORE has been supplying Space Systems/Loral with high-efficiency, multi-junction solar cells for more than 10 years and in May 2009 ...

Emcore Corporation has been awarded a solar panel manufacturing contract to utilise its 3rd Generation Triple-Junction (ZTJ) InGaP / InGaAs / Ge Solar Cells solar cells in the new lightweight and highly-efficient ATK Ultraflex solar arrays. ... Emcore's solar panels will be assembled into deployable solar arrays by ATK's Solar Arrays and ...

Dr. John Iannelli, Corporate Chief Technology Officer and General Manager of EMCORE's Solar Power Division stated, "We are pleased to introduce the first CPV terrestrial power system in China in partnership with the XinAo Group and look forward to pursuing other solar power opportunities in China's emerging renewable energy market ...

ALBUQUERQUE, N.M., Nov. 30, 2011 (GLOBE NEWSWIRE) -- EMCORE Corporation (Nasdaq:EMKR), a leading provider of compound semiconductor-based components and subsystems for the fiber optic and solar power markets, announced today that solar panels manufactured by EMCORE were successfully launched November 26, 2011 onboard the Mars ...

EMCORE Solar Panels Will Power SMAP Spacecraft and Instruments for 2014 NASA Mission. ALBUQUERQUE, N.M., May 15, 2012 (GLOBE NEWSWIRE) -- EMCORE Corporation (Nasdaq:EMKR), a leading provider of compound semiconductor-based components and subsystems for the fiber optic and solar power markets, announced today that it has been ...

Our proven manufacturing capability, technology leadership and highest reliability solar panels in industry make EMCORE the supplier of choice for demanding spacecraft power systems." EMCORE is the world's largest manufacturer of highly efficient radiation hard solar cells for space power applications. With a beginning-of-life (BOL) conversion ...

ALBUQUERQUE, N.M., Dec. 5, 2014 (GLOBE NEWSWIRE) -- EMCORE Corporation (Nasdaq:EMKR) a leading provider of compound semiconductor-based components, subsystems, and systems for the fiber optics and space solar power industries, announces that at a special meeting of EMCORE's shareholders held today, shareholders approved the previously ...

EMCORE Corp. has signed a subcontract to participate in the Defense Research Projects Agency (DARPA) Very High Efficiency Solar Cell (VHSEC) program to more than double the efficiency of terrestrial solar cells within the next 50 months. EMCORE's Photovoltaic division was selected by the University of Delaware, the

prime contractor for the ...

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