

# Success Stories: High Altitude Inverter Applications

JANUARY, 2014

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## Mining | Pucamarca – Peru



- Industrial Sector:** Mining
- Application:** Water pumping from the mine
- Products :** Stand alone NEMA 3R SINUS PENTA for 250HP, 480VAC motor
- Altitude:** Installed at 4300 m. asl
- Key notes:** Power supplied by a Caterpillar Diesel genset

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## Shigatze | Tibet – China



**Installed power :** 10 MW  
**Connection date:** 2011  
**EPC:** Linuo Group  
**PV Inverters:** 12 Sunway™ TG 750 900V TE  
**Altitude:** Installed at 3.895 m. asl

### Key Notes:

- The plant is located in the regions of Shigatze, Tibet
- Atmospheric conditions of this type (desert area, altitude, strong sunlight) may subject the facility to non-optimal working conditions and require that the inverters are rugged and can withstand and manage these situations.



## Golmud | Qinghai – China



**Installed power :** 10 MW  
**Connection date:** 2010  
**EPC:** Longyuan Group  
**PV Inverters:** 18 Sunway™ TG 730 800V TE  
2 Sunway™ TG 750 900V TE  
**Altitude:** Installed at 2.850 m. asl

### Key Notes:

- The facility was built by Longyuan, which is part of China Guodian Group (one of 5 major power companies in China).
- Longyan was established in 1993 and becoming a leader internationally.
- Longyan below 70% of businesses related to renewable energy of the parent company.
- The planned installed capacity by 2020 is 2GW



## High Altitude PV Plants – China



Project	PV Plant Power	Commisioning	Location	Inverter Type	Qty	Altitude [m asl]
Xitieshan	0,5 MW	2011,1	Xi Tieshan, Qinghai Province	TG730	1	2940
Golmud 1	10 MW	2011,5	Golmud, Qinghai Province	TG750	2	2850
				TG730	18	
Shigatse	6 MW	2011,7	Shigatse, Tibet	TG750	12	3895
Da Tang 1	2 MW	2011,11	De Lingha, Qinghai Province	TG730	4	2890
Da Tang 2	2 MW	2011,12	De Lingha, Qinghai Province	TG730	4	2890
Hai Nanzhou	5 MW	2011,12	Hai Nanzhou, Qinghai Province	TG730	10	3200
Golmud 2	10 MW	2011,12	Golmud, Qinghai Province	TG730	20	2850
Qinghai Ulan 20MWp Project Phase 2	20 MW	2012,12	Ulan, Qinghai Province	TG730	20	3200

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