

Technical Specification : Solar Tracker



Type	BRE-T-03S BRE-T-03D	BRE-T-10S BRE-T-10D	BRE-T-20S BRE-T-20D	BRE-T-30S BRE-T-30D	BRE-T-60S BRE-T-60D	BRE-T-50S BRE-T-50D	BRE-T-80S BRE-T-80D	BRE-T-100S BRE-T-100D
Structure material	Hot dipped galvanized steel							
Peak power generation	300Wp	1KWp	12KWp	3KWp	6KWp	5KWp	8KWp	11KWp
Max surface of total modules	2.55m ²	7.66m ²	15.32m ²	22.98m ²	45.5m ²	40.85m ²	61.28m ²	84.27m ²
Tracking technology	Micro-computer control astronomical program							
Wind protection system	Programmable;automatic horizontal positioning at wind speeds greater than 70 km/h(43mil/h)							
Tracker height	2.11m	2.93m	3.66m	5.24m	6.82m	6.82m	6.82m	8.43m
Tracker weight	113kg/ 120kg	279kg/ 300kg	509kg/ 529kg	739kg/ 729kg	1570kg/ 1620kg	1460kg/ 1480kg	2188kg	3370kg
Foundation	0.4m ³	1.5m ³	3.2m ³	6.3m ³	6.3m ³	6.3m ³	6.3m ³	13m ³
Tracking Axes	1axes 2axes	1axes 2axes	1axes 2axes	1axes 2axes	1axes 2axes	1axes 2axes	2axes	2axes
Angles of rotation	Vertical: 0°to60°							
Azimuth rotation	Cogged crown wheel,activated by computer and driven by electric motor and planetary gear reducer							
Vertical rotation	Linear actuator activated by computer and motor							
Power supply to motors	24V DC/220V,depending on location(u.s.,Europe,etc.)							
Power usage of motors	10kWh/year		20kWh/year				30kWh/year	
Automation	Independent computer on each tracher with possible interconnection and remote control(optional)							



Anti- theft system	Alarm and message byGSM upon module disconnection(optional)
Monitoring	On site or remote monitoring on power output,tracking status(optiona)and tracking control(optiona)
Inverters	Very flesible inverter configurations ,ranging from several per tracker to large centralized in
Wind loat	Maximum rated wind speed is 145km/h(90mil/h)